STIC-Biotech/ChemLib

163369

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Vivlemore, Tracy

Sent:

Monday, August 22, 2005 3:04 PM

To:

STIC-Biotech/ChemLib

Subject:

Sequence search request, application 10/828,394

Hello,

For application 10/828,394 please perform the following sequence searches:

For SEQ ID NO: 1, a score over length search of nucleotides 1-1643 with a length of 8-50 and a cutoff of 80%.

For SEQ ID NO: 5, a length limited search with a maximum length of 50.

Thank you,

Tracy Vivlemore PhD Remsen 2B-02, AU 1635

Mailbox: 2C-18 Tel: 571-272-2914

STAFF USE ONLY

Searcher:_____
Searcher Phone: 2Date Searcher Picked up:____
Date Completed:____
Searcher Prep/Rev. Time:___
Online Time:

Type of Search

NA#:	AA#:
Interference:	
S/L:	Oligomer:
Encode/Tran	sl:
Structure#:_	Text:
Inventor:	Litigation:

Vendors and cost where applicable

doi's did cost where applicable
STN:
DIALOG:
QUESTEL/ORBIT:
LEXIS/NEXIS:
SEQUENCE SYSTEM:
WWW/Internet:
Other(Specify):

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SCORE OVER LENGTH SEARCHES

Attached is a score over length search. This search was developed to overcome limitations in most standard search systems which favor large sequences with high scoring, but lesser overall identity over smaller sequences with higher overall identity. This search is especially useful for relatively small nucleic acid or polypeptide target sequences (antisense, fragments, probes, primers, RNAi, epitopes, haptens, etc.) claimed functionally via a form of hybridization and/or identity language and having defined upper and lower polynucleotide and or polypeptide length limits.

The score over length search is performed by first running the query sequence using examiner-specified identity and polynucleotide or protein length limit parameters, and saving 65,000 hits and 0 alignments from each desired database. The resulting output is reformatted using a Microsoft Word macro and is imported into Excel. The summary table data are then sorted by the ratio of score of each hit sequence divided by its length and the accession numbers for all hits below the examiner's desired score over length parameters are deleted. The remaining accession numbers are used to pull the corresponding sequences from the databases into subdatabases enriched for good hits and the query sequence is re-run against these subdatabases to yield the final results.

The score over length cutoff for this search is 20.20

Examiner Please Note: This cover sheet should be included when submitting results to be scanned.

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us-10-828-394-5.rni

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US-09-485-632B-15
SEQ ID NO 15
LENGTH: 50
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 15, Applisequence 6, Applisequence 7759, Applisequence 77, Applisequence 43, Applisequence 43, Applisequence 35, Applisequence 35, Applisequence 10991, A Sequence 11, Applisequence 163, Applisequence 164, Applisequence 164, Applisequence 164, Applisequence 20, Applisequenc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 3015, Ap
Sequence 15, Appl
Sequence 35606, P
                                                                                                                                   September 3, 2005, 15:23:21; Search time 128 Seconds (without alignments) 268.452 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 44424,
Sequence 44425,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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Sequence 2
Sequence 2
Sequence 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /cgn2_6/ptodata/1/ina/SA_COMB.seq:*
/cgn2_6/ptodata/1/ina/SB_COMB.seq:*
/cgn2_6/ptodata/1/ina/AB_COMB.seq:*
/cgn2_6/ptodata/1/ina/AB_COMB.seq:*
/cgn2_6/ptodata/1/ina/PcTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/pcTUS_COMB.seq:*
                 GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-485-632B-15
US-09-410-935B-6
US-09-344-403A-6
US-09-396-196G-7759
US-07-885-689A-7
US-07-885-689A-7
US-09-823-549-46
US-09-823-549-46
US-09-834-66-793-35
US-08-467-603-35
US-08-467-603-35
US-09-374-671A-35
US-09-374-671A-35
US-09-374-671A-35
US-09-374-671A-35
US-09-374-671A-35
US-09-374-671A-35
US-09-376-196G-10991
US-09-36-196G-10991
US-09-36-196G-10991
US-09-36-196G-10991
US-09-36-196G-10991
US-09-36-196G-10991
US-09-36-196G-10991
US-09-36-196G-10991
US-09-36-196G-10991
US-09-25-4023B-20
US-09-25-496-196
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US-09-396-196G-44424
US-09-396-196G-44425
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Maximum Match 100%
Listing first 45 summaries
                                                                                                 nucleic search, using sw model
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                                                                                                                                                                                                                                                                                                          IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
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                                                                                                                                                                                                                          US-10-828-394-5
21
                                                                                                                                                                                                                                                                                                                                                                                                                                                        seq length: 0
seq length: 50
                                                                                                                                                                                                                                                                                                            Scoring table:
                                                                                                                                                                                                                            Title:
Perfect score:
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Maximum DB
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                                                                                                                                                                                                                                                                   Sequence:
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                                                                                                                                          Run on:
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No.
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Squence 15, Application US/09485632B

Squence 15, Application US/09485632B

Patent No. 6605280

GENERAL INFORMATION:

APPLICANT: No. 6605280ick, Daniela

APPLICANT: No. Machina Sco. Hyun

TITLE OF INVENTION: Use

FILE REFERENCE: 20093-001

CURRENT APPLICATION NUMBER: 12896/0379

PRIOR FILING DATE: 1998-09-13

PRIOR FILING DATE: 1998-09-23

PRIOR FILING DATE: 1997-11-06

PRIOR FILING DATE: 1997-11-06

PRIOR FILING DATE: 1997-09-29

PRIOR FILING DATE: 1997-09-29

PRIOR FILING DATE: 1997-09-29

PRIOR FILING DATE: 1997-08-27

PRIOR FILING DATE: 1997-08-14

NUMBER OF SEQ ID NOS: 15

SCROTHARE: Patentin Ver. 2.0
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    Sequence
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US-09-396-196G-44426
US-09-396-196G-44427
US-09-396-196G-108268
US-09-887-145-35
US-08-467-603-54
US-08-466-793-54
US-08-467-793-54
US-08-451-603-54
US-09-586-216C-4
US-09-586-216C-4
US-09-586-216C-4
US-09-586-216C-4
US-09-586-216C-4
US-09-586-216C-4
US-09-586-216C-4
US-09-586-216C-4
US-09-396-196G-7746
US-09-396-196G-10990
US-09-396-196G-10990
US-09-396-196G-68315
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Pred. No. 80;
                                                                                                                                                                                                                                                                                                     ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 2
US-09-410-935B-6
Sequence 6, Application US/09410935B
Patent No. 6504083
GENERAL INFORMATION:
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1 Similarity 90.5%;
19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Artificial Sequence
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Best Local Similarity
   US-09-485-632B-15/c
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Gaps

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APPLICANT: Chung, Joong M. APPLICANT: Lee, Tae H. APPLICANT: Chung, Hyun H. APPLICANT: Lee, Yong B. APPLICANT: Lee, Yong B. APPLICANT: Lee, Yong B. APPLICANT: Lee, Yong W. APPLICANT: Park, Young W. APPLICANT: Park, Young W. APPLICANT: Park, Young W. APPLICANT: Park, Young W. APPLICANT: Horwone Using a Synthetic Gene. NUMBER OF SEQUENCES: 38
CORRESPONDENCE ADDRESS:
ADDRESSEE: Birch, Stewart, Kolash & Birch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
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ADDRESSEDE Birch, Stewart, Kolash & Birch
STREET: P.O. Box 747
CITY: Falls Church
STRATE: Virginia
COUNTRY: USA
ZIP: 22040-0747
COMPUTER: BEDABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: PIN PC COMPATIBLE
CORPUTER: PARDABLE FORM:
MEDIUM TYPE: PLOSPY disk
COMPUTER: PAPPICATION DATA:
APPLICATION NUMBER: US/07/885,689A
FILING DATE: 19-MAY-1992
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: SVENBENCE/DOCKET NUMBER: 377-144P
TELEFONMUTICATION INFORMATION:
TELEFONDENICATION INFORMATION:
TELEFONDENICATION OF 7:
SEQUIRCE CHARACTERISTICS:
TELEFONDENICATION OF 7:
SEQUIRCE CHARACTERISTICS:
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: Affymertix, Inc.
APPLICANT: Affymertix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196G
CURRENT FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FastSEQ for Windows Version 4.0
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4.6e+02;
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100.0%; Pred. No. 4.6e+0
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Patent No. 5366876
GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 45 base pairs
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
CORGANISM: Mus musculus
US-09-396-196G-7759
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: NO
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US-07-885-689A-7
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; Sequence 6, Application US/09784403A
; Patent No. 6670467
; GENERAL INFORMATION:
    APPLICANT: Barbour, Eric
; APPLICANT: Buclaire Meyer, Terry
    APPLICANT: Eid Saad, Mohammed
; TITLE OF INVENTION: No. 6670467el Maize Promoters
; FILE REFERENCE: 35718/20867
; CURRENT APPLICATION WUMBER: US/09/784,403A
; CURRENT FILING DATE: 2001-02-15
; PRIOR FILING DATE: 1998-11-05
; PRIOR FILING DATE: 1998-10-06
; PRIOR PELICATION NUMBER: US 60/103,294
; PRIOR FILING DATE: 1999-10-06
; PRIOR FILING DATE: 1999-10-06
; RIOR FILING DATE: 1999-10-06
; RIOR FILING DATE: 1999-10-06
; RIOR FILING DATE: 1999-10-06
; ROWBER OF SEO ID NOS: 19
                                                           APPLICANT: ENCLAIR MAYER, TERTY
APPLICANT: ELG Saad, Mohammed
TITLE OF INVENTION: NO. 6504083el Maize Promoters
FILE REPERENCE: 5718-72
CURRENT FILING DATE: 1999-10-04
FRICH APPLICATION NUMBER: US 60/107,201
FRICH APPLICATION NUMBER: US 60/107,201
FRICH APPLICATION NUMBER: US 60/103,294
FRICH FILING DATE: 1998-11-05
FRICH FILING DATE: 1998-10-06
NUMBER OF SEQ ID NOS: 19
SOFTWARE: FASTEEC for Windows Version 4.0
SEQ ID NO 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CTHER INFORMATION: Gene specific primer 1 for Gos-2 US-09-784-403A-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Gene specific primer 1 for Gos-2
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77.1%; Score 16.2; DB 4;
Best Local Similarity 85.7%; Pred. No. 3.9e+02;
Matches 18; Conservative 0; Mismatches 3;
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US-09-396-196G-7759/c
; Sequence 7759, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 CAGCAGCAGAGTCTTCATCAT 21
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 85.7
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 3
US-09-784-403A-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-410-935B-6
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LENGTH: 32
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        88.9%; Pred. No. 1.5e+03;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 14.8; DB 2;
Pred. No. 1.6e+03;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
APPLICATION NUMBER: 07/999,712
FILING DATE: 31-Dec-92
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E.
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: 1MI-026CP(IPC-048CP)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Allergenic Proteins and
Peptides from Dog
Dander and Uses Therefor
                                                                                                                                                                                                                                                                                                            RESULT 8
US-08-467-603-35/C
Sequence 35, Application US/08467603
Fatent No. 5843672
GENERAL INFORMATION:
APPLICANT: Morgenstern, Jay P.
APPLICANT: Manieczny, Andrzey
APPLICANT: Bizindaukas, Christine B.
TITLE OF INVENTION: Allergenic Proteins;
TITLE OF INVENTION: Allergenic Proteins;
TITLE OF INVENTION: Allergenic Proteins;
TITLE OF INVENTION: Dander and Uses Then;
NUMBER OF SEQUENCES: 104
CORRESPONDENCE ADDRESS:
ADDRESSE: ADDRESSE:
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
ADDRESSE: ADDRESSE:
CORRESPONDENCE ADDRESS:
CORRE
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CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/156,549
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: ASCII-text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,603
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 9
US-08-466-793-35/c
; Sequence 35, Application US/08466793
; Patent No. 5891716
; GENERAL INFORMATION:
                                                                                                                         20
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TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                               1 ścrecadastrircarca 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24 AGGAGCAGGGTCTTCATC
                                                                                                                             3 GCAGCAGAGTCTTCATCA
                                             16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 70.5
Best Local Similarity 88.9
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear MOLECULE TYPE: CDNA
Best Local Similarity
Matches 16; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 02109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STATE: M. COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-467-603-35
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| Sequence 46, Application US/09823549 |
| Sequence 46, Application US/09823549 |
| Patent No. 666442 |
| GENERAL INPORMATION: |
| APPLICANT: McConlogue, Lisa C |
| APPLICANT: McConlogue, Lisa C |
| APPLICANT: Hua, Tan |
| APPLICANT: Bard, Frederique |
| TITLE OF INVENTION: SCRERING MARKERS AND METHODS FOR NEURODEGENERATIVE DISORDERS |
| CURRENT APPLICATION NUMBER: US/09/823,549 |
| CURRENT APPLICATION NUMBER: US 60/193,847 |
| PRIOR APPLICANTON NUMBER: US 60/193,847 |
| PRIOR FILING DATE: 2000-03-30 |
| NUMBER OF SEQ ID NOS: 85 |
| SOFFWARE PATENT ALCHING DATE: PATE
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                                                                               /label= oligonucleotide
/note= "U7 oligonucleotide portion of synthetic
BGH gene, Figure 1."
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Fatent No. 6228151
GENERAL INFORMATION:
APPLICANT: Alexander H. Borchers
APPLICANT: Alexander H. Dobie
FILE REPERENCE: RTS-0345
CURRENT APPLICATION NUMBER: 2001-12-04
WUMBER OF SEQ ID NOS: 87
LENGTH: 20
                                                                                                                                                                                                                                                                           Query Match 73.3%; Score 15.4; DB 1; Length 45; Best Local Similarity 94.1%; Pred. No. 9.2e+02; Matches 16; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         / Match 72.4%; Score 15.2; DB 4; Length 22; Local Similarity 85.0%; Pred. No. 1e+03; Nes 17; Conservative 0; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; FEATURE:
; OTHER INFORMATION: Antimense Oligonucleotide
US-10-007-010-43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 CAGCAGCAGAGTCTTCATCA 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA ORGANISM: Artificial Sequence
                                     LOCATION: 1..45

COTHER INFORMATION:
OTHER INFORMATION:
COTHER INFORMATION:
US-07-885-689A-7
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RESULT 11
US-09-374-671A-35/c
; Sequence 35, Application US/09374671A
; Sequence 35, Application US/09374671A
; Patent No. 6489118
; GENERAL INFORMATION:
; APPLICANT: Morgenstern, Jay P.
; Konleczny, Andrew W.
; Brauer, Andrew W.
; Brauer, Andrew W.
; TITLE OF INVENTION: Allergenic Protein and Peptides from Dog
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match

70.5%; Score 14.8; DB 2; Length 31;
Best Local Similarity 88.9%; Pred. No. 1.6e+03;
Matches 16; Conservative 0; Mismatches 2; Indels
                                                                                                               SUFTWAKE: ASCLITCEAC.

CURREMY APPLICATION DATA:
APPLICATION NUMBER: US/08/491,861A
FILING DATE: 27-OCT-1995
CLASSIFICATION DATA:
APPLICATION OF 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/999,712
FILING DATE: 31-Dec-92
ATTORNEY/ACENT INFORMATION:
NAME: MAINTAGENATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPAX: (617) 742-7400
TELEPAX: (617) 742-7400
TELEPAX: (617) 742-7400
TELEPAX: (617) 227-7400
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REGISTRATION NUMBER: 41,710
REFERENCE/DOCKET NUMBER: IMI-026C2CNCPA
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYRE: Ploppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: AGCII TEAK

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/374,671A

FILING DATE: 16-Aug-1999

PRIOR APPLICATION NUMBER: US 08/156,549

FILING DATE: 1993-NOV-22

APPLICATION NUMBER: US 07/999,712

FILING DATE: 1992-DEC-31

ATTORNEY/AGENT INFRMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSE: Amy E. Mandragouras
STREET: 28 State Street
CITY: Boston
STATE: MA
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2 AGCAGCAGAGTCTTCATC 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   , MOLECULE TYPE: CDNA
US-08-491-861A-35
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APPLICANT: Kanieczny, Andrzey
APPLICANT: Bizindaukas, Christine B.
APPLICANT: Bizindaukas, Christine B.
APPLICANT: Bizuer, Andrew W.
TITLE OF INVENTION: Allergenic Proteins and Peptides from Dog
TITLE OF INVENTION: Dander and Uses Therefor
TITLE OF INVENTION: Dander and Uses Therefor
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,793
FILING DATE: 06-UN-1995
CLASSIFTCATION: 435
PRILING DATE: 06-UN-1993
APPLICATION NUMBER: US 08/156,549
FILING DATE: 22-NOV-1993
APPLICATION NUMBER: 07/999,712
FILING DATE: 31-Dec-92
ATTORNEY/ACBNT INFORMATION:
NAME: MAINTAGENEY AND MER: 36,207
REFERENCY/DOCKET NUMBER: 36,207
TELECOMMUNICATION NUMBER: 36,207
TELECOMMUNICATION NUMBER: 36,207
TELECOMMUNICATION NUMBER: 136,207
TELECOMMUNICATION NUMBER: 36,207
TELECOMMUNICATION SOR SEO ID NO. 35:
SEQUENCE CHARACTERISTICS:
TAND: AND SECUENCE CHARACTERISTICS:
                                              APPLICANT: Bizindaukas, Christine B.
APPLICANT: Brauer, Andrew W.
TITLE OF INVENTION: Allergenic Proteins and
TITLE OF INVENTION: Dander and Uses Therefor
NUMBER OF SEQUENCES: 104
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, suite 510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-491-861A-35/c
; Sequence 35, Application US/08491861A
; Patent No. 5939283
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                           Kanieczny, Andrzey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          24 AGGAGCAGGCTCTTCATC 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 88.9
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: linear ADLECULE TYPE: CDNA US-08-466-793-35
                                                                                                                                                                                                                                                                                       STREET: 60 Starts EDELON STATE: MA COUNTRY: USA ZIP: 02109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STATE: MA
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                                                                      Query Match 69.5%; Score 14.6; DB 4; Length 25; Best Local Similarity 81.0%; Pred. No. 1.9e+03; Matches 17; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                69.5%; Score 14.6; DB 3; Length 44; 81.0%; Pred. No. 2.1e+03;
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Pred. No. 2.8e+03;
0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Schulein, Martin
APPLICANT: Chutrup, Helle
APPLICANT: Outtrup, Helle
APPLICANT: Jorgensen, Per Lina
APPLICANT: Jorgensen, Per Lina
APPLICANT: Jorgensen, Per Lina
APPLICANT: Bjornvad, Mads Eskelund
TITLE OF INVENTION: Alkaline Xyloglucanase;
FILE REFERENCE: 5206-200-US
CURRENT APPLICATION NUMBER: US/09/110,959A
CURRENT PILING DATE: 1998-07-07
PRIOR FILING DATE: 1997-07-07
PRIOR FILING DATE: 1997-07-24
PRIOR FILING DATE: 1997-10-24
PRIOR FILING DATE: 1997-10-24
PRIOR FILING DATE: 1997-10-24
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-28
NUMBER OF SEQ ID NOS: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
                                                                                                                                                                                                                                                                                                RESULT 14
US-09-110-959A-11
'Sequence 11, Application US/09110959A
'Patent No. 6268197
                                                                                                                                                                        1 CAGCAGCAGAGTCTTCATCAT 21
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CTHER INFORMATION: PCR Primer
US-09-205-860-3
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Best Local Similarity 84.2%;
Matches 16; Conservative
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; ORGANISM: mus musculus
US-09-396-196G-74836
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; ORGANISM: Bacillus sp.
US-09-110-959A-11
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Best Local Similarity
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US-09-205-860-3
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LENGTH: 20
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                                                                                                                                                                                                                                                                                           Query Match 70.5%; Score 14.8; DB 4; Length 31; Best Local Similarity 88.9%; Pred. No. 1.6e+03; Matches 16; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 JOS-023-03-10931, Application US/09396196G
| Patent No. 6821724
| GENERAL INFORMATION:
| APPLICANT: Michael Mittmann
| APPLICANT: David Mack
| APPLICANT: David Mack
| APPLICANT: David Mack
| APPLICANT: Affymetrix, Inc.
| TTLE OF INVENTION: Methods of Genetic Analysis
| FILE REFERENCE: 3101.1
| FURRENT APPLICATION NUMBER: US/09/396,196G
| CURRENT FILING DATE: 1999-09-15
| PRIOR APPLICATION NUMBER: 60/100,678
| PRIOR PILING DATE: 1998-09-17
| NUMBER OF SEQ ID NOS: 127806
| SOFTWARE: FasteseQ for Windows Version 4.0
| SEQ ID NO 10991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-396-196G-74836

Sequence 74836, Application US/09396196G

Sequence 74836, Application US/09396196G

Sequence 74836, Application US/09396196G

PAPELICANT: Natchael Mittmann

APPLICANT: David Mack

APPLICANT: Affymetrix, Inc.

TITLE OF INVENTION: Methods of Genetic Analysis

FILE REFRENCE: 3101.1

CURRENT APPLICATION NUMBER: US/09/396,196G

CURRENT FILING DATE: 1999-09-15

PRIOR APPLICATION UNDRER: 60/100,678

PRIOR PILING DATE: 1998-09-17

NUMBER OF SEQ ID NOS: 127806

SOSTWARE: FREESQ for Mindows Version 4.0
                                                                                                                                                    TOPOLOGY: linear

MOLECULE TYPE: CDNA

SEQUENCE DESCRIPTION: SEQ ID NO: 35:
US-09-374-671A-35
  TELEPHONE: (617) 227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3 chacadcaderrerrehachr 23
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                       TELEFAX: (617) 742-4214
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
                                                                                          LENGTH: 31 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                   2 AGCAGCAGAGTCTTCATC 19
                                                                                                                                                                                                                                                                                                                                                                                                                               24 AGGAGCAGGGTCTTCATC 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; ORGANISM: Mus musculus
US-09-396-196G-10991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-396-196G-10991
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LENGTH: 25
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Tue Sep 13 09:41:58 2005

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1 CAGCAGCAGAGTCTTCATC 19 ||||||||||| 2 CAGCAGCAGGATCTTCACC 20

Search completed: September 3, 2005, 16:22:35 Job time : 131 secs

Sequence Sequence

Sequence 67, Appl Sequence 68, Appl Sequence 10, Appl Sequence 11, Appl Sequence 17, Appl Sequence 17, Appl Sequence 17, Appl Sequence 285427, Sequence 217934, Sequence 217934, Sequence 17934, Sequence 6759, Appl Sequence 190997, Sequence 599108, Sequence 599108, Sequence 599108, Sequence 599108, Sequence 599108, Sequence 6755, Sequence 599108, Sequence 6755, Sequence 6755, Sequence 6755, Sequence 18158, Sequence 18177,

us-10-828-394-5.rnpb

nucleic

Run on:

Seguence:

Searched:

Database

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ch 100.0%; Score 21; DB 9; Length 21; Similarity 100.0%; Pred. No. 3.5; 21; Conservative 0; Mismatches 0; Indels
| US-10-646-391A-28
| US-10-646-391A-28
| US-10-956-157-236817
| US-10-646-391A-43
| US-10-646-391A-43
| US-10-646-3436-67
| US-10-646-3436-10
| US-10-646-3436-10
| US-10-646-3436-10
| US-10-646-3436-10
| US-10-646-391A-29
| US-10-646-391A-29
| US-10-646-391A-17
| US-10-646-391A-17
| US-10-99-956-187913
| US-10-19-956-187913
| US-10-19-956-187913
| US-10-19-956-190997
| US-10-19-956-190998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 4, Application US/09944326
| Sequence 4, Application US/09944326
| Patent No. US20020128220A1
| GENERAL INFORMATION:
| APPLICANT: Gleave, Martin | APPLICANT: Miyake, Hideaki | APPLICANT: Miyake, Hideaki | APPLICANT: Nelson, Colleen | TITLE OP INVENTION: TREM-2 ANTISENSE THERAPY | FILE REFERENCE: UBC.P-020-2 | CURRENT FILING DATE: 2001-08-30 | PRIOR APPLICATION NUMBER: 60/121,726 | PRIOR APPLICATION NUMBER: 60/121,726 | PRIOR APPLICATION NUMBER: 09/913,325 | PRIOR PILING DATE: 2001-08-10 | NUMBER OF SEQ ID NOS: 14 | SEQ ID NO 4 | SEQ ID NO 5 | SEQ 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            , OTHER INFORMATION: antisense TRPM-2 ODN US-09-944-326-4
         Query Match
Best Local Similarity
Matches 21; Conserv
       TYPE: DNA ORGANISM: HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          JS-09-944-326-4
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                                                                                                                                                                 3, 2005, 15:24:25; Search time 603 Seconds (without alignments) 228.072 Million cell updates/sec
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Description
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Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Published Applications NA:*

| cgn2_6/ptodata/1/pubpna/USO7_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/USO6_NEW_PUB.seq:*
3: /cgn2_6/ptodata/1/pubpna/USO6_PUBCOMB.seq:*
4: /cgn2_6/ptodata/1/pubpna/USO6_PUBCOMB.seq:*
5: /cgn2_6/ptodata/1/pubpna/USO6_PUBCOMB.seq:*
6: /cgn2_6/ptodata/1/pubpna/USO8_PUBCOMB.seq:*
7: /cgn2_6/ptodata/1/pubpna/USO8_PUBCOMB.seq:*
8: /cgn2_6/ptodata/1/pubpna/USO8_PUBCOMB.seq:*
10: /cgn2_6/ptodata/1/pubpna/USO8_PUBCOMB.seq:*
11: /cgn2_6/ptodata/1/pubpna/USO9_PUBCOMB.seq:*
11: /cgn2_6/ptodata/1/pubpna/USO9_PUBCOMB.seq:*
12: /cgn2_6/ptodata/1/pubpna/USO9_PUBCOMB.seq:*
13: /cgn2_6/ptodata/1/pubpna/USO0_PUBCOMB.seq:*
14: /cgn2_6/ptodata/1/pubpna/USO0_PUBCOMB.seq:*
15: /cgn2_6/ptodata/1/pubpna/USO0_PUBCOMB.seq:*
16: /cgn2_6/ptodata/1/pubpna/USO0_PUBCOMB.seq:*
17: /cgn2_6/ptodata/1/pubpna/USO0_PUBCOMB.seq:*
18: /cgn2_6/ptodata/1/pubpna/USO0_PUBCOMB.seq:*
19: /cgn2_6/ptodata/1/pubpna/USO0_PUBCOMB.seq:*
10: /cgn2_6
                             GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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US-09-967-726A-4
US-10-080-794-4
US-10-646-391A-4
US-10-628-394-5
US-10-828-394-5
US-10-646-436-66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                          7338684 seqs, 3274456166 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                          - nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                       cagcagcagagtcttcatcat 21
                                                                                                                                                                                                                                                                                                                                                                    IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                                                                                   US-10-828-394-5
21
1 cagcagcagagtct
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                                                                                                                                                                         September
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publication US/10646391A
| Sequence | Application US/10646391A
| Publication No. US20040082534A1
| GENERAL INFORMATION:
| APPLICANT: Gleave, Martin
| PAPLICANT: Gleave, Martin
| APPLICANT: Gleave, Martin
| CURRENT FILING DATE: 2003-08-21
| PRIOR FILING DATE: 2002-08-21
| PRIOR PLICATION NUMBER: US 60/405,193
| PRIOR PLICATION NUMBER: US 60/408,152
| PRIOR PLICATION NUMBER: US 60/408,152
| PRIOR FILING DATE: 2002-09-03
| PRIOR FILING DATE: 2002-09-03
| PRIOR FILING DATE: 2003-05-20
| PRIOR PLICATION NUMBER: US 60/473,387
| SOFTWARE: PatentIn version 3.2
| SOFTWARE: PatentIn version 3.2
| SOFTWARE: PatentIn version 3.2
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100.0%; Pred. No. 3.5;
tive 0; Mismatches 0;
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Pred. No. 3.5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0, Mismatches
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1 CAGCAGCAGAGTCTTCATCAT 21
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Best Local Similarity 100.0%;
Matches 21; Conservative 0.
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Best Local Similarity 100.0
Matches 21; Conservative
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ORGANISM: human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: DNA; ORGANISM: human
US-10-646-391A-4
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                                                                                                                                                                     Sequence 4, Application US/09967726A
; Sequence 4, Application US/09967726A
; Publication No. US20030158130A1
; GENERAL INFORMATION:
; APPLICANT: Gleave, Martin
; APPLICANT: Rennie, Paul S.
; APPLICANT: Melsen, Colleen
; APPLICANT: Nelsen, Colleen
; APPLICANT: Deliveger, Tobias
; TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2
; TITLE OF INVENTION: Oligonucleotides
; TITLE REFERENCE: USC.P-028
; CURRENT FILING DATE: 2001-09-28
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 21
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; Sequence 4, Application US/10080794
; Publication No. US20030166591A1
; GENERAL INFORMATION:
; APPLICANT: Gleave, Martin
; APPLICANT: Remnie, Paul S.
; APPLICANT: Nelson, Colleen
; APPLICANT: Nelson, Colleen
; APPLICANT: Nomia, Brett P.
; TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
; TITLE OF INVENTION: HAVING 2'-O-(2-METHOXY) ETHYL MODIFICATIONS
; TITLE OF INVENTION: HAVING 2'-O-(2-METHOXY) ETHYL MODIFICATIONS
; TITLE OF INVENTION: HAVING 2'-O-(2-METHOXY) ETHYL MODIFICATIONS
; TITLE OF INVENTION UNMBER: 06/121,726
; PRIOR APPLICATION NUMBER: 06/121,726
; PRIOR FILING DATE: 2001-08-10
; PRIOR FILING DATE: 2001-08-10
; SOFTWARE: PATENTIN UNMER: 09/944,326
; NUMBER OF SEQ ID NOS: 19
; SEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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100.0%; Score 21; DB 16; Length 21;
Best Local Similarity 100.0%; Pred. No. 3.5;
Matches 21; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 100.0%; Score 21; DB 10; Length 21; Best Local Similarity 100.0%; Pred. No. 3.5; Matches 21; Conservative 0; Mismatches 0; Indels
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                            1 CAGCAGCAGAGTCTTCATCAT 21
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                                                                                                                                             RESULT 2
US-09-967-726A-4
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APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: Jansen, Burkhard
TILE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE REPERENCE: UBC.P-035
CURRENT PAPLICATION NUMBER: US/10/646,391A
CURRENT PILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR PILING DATE: 2002-08-21
PRIOR PILING DATE: 2002-12-02
PRIOR FILING DATE: 2002-12-02
PRIOR FILING DATE: 2003-05-09
PRIOR FILING DATE: 2003-05-09
PRIOR FILING DATE: 2003-05-09
PRIOR FILING DATE: 2003-05-20
PRIOR FILING DATE: 2003-05-20
SOFTWARE: Patentin version 3.2
SEQ ID NO 28
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Gleave, Martin
APPLICANT: Signeeveky, Maxim
APPLICANT: Beraldi, Eliana
APPLICANT: Beraldi, Eliana
APPLICANT: Beraldi, Eliana
APPLICANT: Gonos, Efetathios
ITILE GONOS, Efetathios
TITLE OF INVENTION: RNAI Probes Targeting Cancer-Related Proteins
FILE REFERENCE: USC. 1003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/406,152
PRIOR PRILING DATE: 2002-09-03
PRIOR PILING DATE: 2003-06-03
PRIOR PILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin version 3.2
SEQ ID NO 9
TEMPORT 100 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 95.2%; Score 20; DB 18; Length 21; Best Local Similarity 100.0%; Pred. No. 10; Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: RNA! for human clusterin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: RNAi for human clusterin
US-10-646-436-9
Sequence 28, Application US/10646391A Publication No. US20040082534A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 9, Application US/10646436; Publication No. US20040096882A1; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: artificial
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION;
GENERAL INFORMATION;
APPLICANT: Jansen, Maxim
APPLICANT: Signeeveky, Maxim
APPLICANT: Signeeveky, Maxim
APPLICANT: Beraldi, Eliana
APPLICANT: Gonos, Efstathios
ITILE OF INVENTION: RNA! Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UGC.P-030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR PELING DATE: 2002-09-03
PRIOR PELING DATE: 2002-09-03
PRIOR PELING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE: PatentIn version 3.2
LENGTH: 23
                                                                                                                  APPLICANT: Burt, Helen
APPLICANT: Burt, Helen
APPLICANT: Springate, Christopher
APPLICANT: Gleave, Martin
TITLE CANT: Gleave, Martin
TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
FILE REPERENCE: UBC.P-032
CURRENT APPLICATION NUMBER: US/10/828,395
CURRENT FILING DATE: 2004-04-19
PRIOR PILING DATE: 2003-04-18
PRIOR PILING DATE: 2003-04-18
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin version 3.2
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Pred. No. 3.5;
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100.0%; Score 21; DB
Best Local Similarity 100.0%; Pred. No. 3.5
Matches 21; Conservative 0; Mismatches
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Publication No. US20040096882A1
GENERAL INFORMATION:
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                          Sequence 5, Application US/10828395
Publication No. US20040224914A1
GENERAL INFORMATION:
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Best Local Similarity 100.0
Matches 21; Conservative
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US-10-828-395-5
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ORGANISM: human
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Gaps ö Query Match 95.2%; Score 20; DB 18; Length 21; Best Local Similarity 100.0%; Pred. No. 10; Matches 20; Conservative 0; Mismatches 0; Indels 2 AGCAGCAGAGTCTTCATCAT 21

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Sequence 43, Application US/10646391A
Publication No. US20040002534A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Glaeve, Martin
APPLICANT: Glaeve, Martin
APPLICANT: Glaeve, Martin
APPLICANT: US.P.D.O.
TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE REPRESENCE: USC.P.D.O.
CURRENT APPLICATION NUMBER: US 60/406,391A
CURRENT PILING DATE: 2003-08-21
FRIOR FILING DATE: 2002-08-21
FRIOR PRILING DATE: 2002-12-02
FRIOR PELING DATE: 2002-12-02
FRIOR PELING DATE: 2002-12-02
FRIOR FILING DATE: 2003-12-03
FRIOR FILING DATE: 2003-12-03
FRIOR FILING DATE: 2003-03-05-03
FRIOR FILING DATE: 2003-05-03
FRIOR FILING DATE: 2003-05-05
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; Bublication No. US20040096882A1
; Bublication No. US20040096882A1
; GENERAL INFORMATION:
; APPLICANT: Jansen, Burkhard
; APPLICANT: Glave, Maritin
; APPLICANT: Glave, Maxim
; APPLICANT: Beraldi, Eliana
; APPLICANT: Borogakos, Ioannis
; APPLICANT: Gonos, Efstethios
; TILLE OF INVENTION: RNAi Probes Targeting Cancer-Related Proteins
; TILLE OF INVENTION: RNAi Probes Targeting
; TILLE OF INVENTION: RNAi Probes Targeting
; CURRENT FILING DATE: 2003-08-21
; PRIOR APPLICATION NUMBER: US 60/405,193
; PRIOR APPLICATION NUMBER: US 60/403,187
; PRIOR FILING DATE: 2003-09-03
; PRIOR PILLING DATE: 2003-09-03
; PRIOR FILING DATE: 2003-05-06
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: Patentin version 3.2
; LENGTH: 19
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90.5%; Score 19; DB 18; Length 19;
Best Local Similarity 73.7%; Pred. No. 31;
Matches 14; Conservative 5; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; CTHER INFORMATION: RNA1 fo rhuman clusterin
US-10-646-391A-43
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ORGANISM: artificial
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US-10-956-157-236817/C
US-10-956-157-236817/C
SQUENCE 236817, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: WOCKEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH:
TITLE OF INVENTION: HUMAN OSTEOARTHRITES AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION WUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 236817
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Burkhard
TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE REFERENCE: UBC.P-035
CURRENT APPLICATION NUMBER: US/10/646,391A
CURRENT PILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-08-21
PRIOR FILING DATE: 2002-09-12
PRIOR PELICATION NUMBER: US 60/408,152
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-05-20
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin version 3.2
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FEATURE:
) OTHER INFORMATION: RNAi for human clusterin
US-10-646-391A-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 95.2%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 11; Matches 20; Conservative 0; Mismatches
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                                                 20 AGCAGCAGAGTCTTCATCAT 1
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US-10-956-157-236817
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à g 3 GCAGCAGAGTCTTCATCAT 21

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RESULT 12 US-10-646-391A-43

19 GCAGCAGAGTCTTCATCAT 1

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US-10-646-391A-29

Sequence 29, Application US/10646391A

FUBLICATION.C. US20040082534A1

GENERAL INFORMATION:

APPLICANT: Gleave, Martin

APPLICANT: Gleave, Martin

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

TITLE OF INVENTION UNMERS: US/10/646,391A

CURRENT APPLICATION NUMBER: US 60/405,193

FRIOR FILING DATE: 2002-08-21

FRIOR PRILING DATE: 2002-02-22

FRIOR PRILING DATE: 2002-12-02

FRIOR FILING DATE: 2002-09-03

FRIOR FILING DATE: 2002-09-03

FRIOR FILING DATE: 2003-09-03

FRIOR FILING DATE: 2003-05-20

SOFTWARE PRILING DATE: 2003-05-20

SOFTWARE PRILING DATE: 2003-05-20

SOFTWARE PARENTED NOWER: US 60/473,387
                                                                                                                                                                APPLICANT: Gleave, Martin
APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Trougakos, Ioannia
APPLICANT: Trougakos, Ioannia
APPLICANT: Trougakos, Ioannia
APPLICANT: Gonos, Effecthios
TITLE ON INVENTION: RNAi Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC.P-030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR FILING DATE: 2002-09-03
PRIOR PILING DATE: 2003-09-03
PRIOR PILING DATE: 2003-09-03
PRIOR PILING DATE: 2003-09-03
PRIOR PILING DATE: 2003-08-03
PRIOR PILING DATE: 2003-08-03
PRIOR SEQ ID NOS: 68
NUMBER OF SEQ ID NOS: 68
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US-10-646-436-68
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; OTHER INFORMATION: RNA! for human clusterin
US-10-646-391A-29
US-10-646-436-68; Sequence 68, Application US/10646436; Publication No. US20040096882A1; GENERAL INFORMATION:
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90.5%; Score 19; DB 18; Length 21;

Query Match

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PAT 24-MAR-2004
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AR148235 Sequence
AR204084 Sequence
BD077090 Lipocalin
CQ817644 Sequence
CQ877645 Sequence
CQ867640 Sequence
AR291280 Sequence
             CQ786613 Sequence
AX18356 Sequence
AX670795 Sequence
AX670795 Sequence
AX670795 Sequence
AX6303 Sequence
BD186389 Peptides
A08491 oligonucleo
A12569 fragment of
A12570 fragment of
AR2570 fragment of
AR27110 Sequence
AX677095 Sequence
AX627195 Sequence
AX22112 Sequence
AX22112 Sequence
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Mammalia; Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Homo sapiens
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
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Treatment of melanoma by reduction in clusterin levels
Patent: WO 2004018675-A 4 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin
Location/Qualifiers
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Pred. No. 49;
; Mismatches
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Seguence 4 from Patent WO2004018675.
CQ786615
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/organism≃"Homo sapiens"
AX268965
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AX118356
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AR258163
AX670795
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CQ786178.1 GI:45721281
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Best Local Similarity 100.0%;

Matches 21; Conservative 0;
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 Homo sapiens
ACCESSION
VERSION
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SOURCE
ORGANISM
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CQ786178/c
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AUTHORS
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CQ786180 Sequence
CQ78653 Sequence
CQ78654 Sequence
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CQ786122 Sequence
AR374192 Sequence
AR374120 Sequence
AR374120 Sequence
AR374130 Sequence
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AR344437 Sequence
AR344437 Sequence
AR3439 B. taurus ge
A12568 fragment of
A05116 Oligonucleo
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Compugen Ltd.
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                 GenCore version
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Maximum Match 100%
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Maximum DB seq length: 50
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Jansen, B., Gleave, M.E., Signaevsky, M., Beraldi, E., Trougakos, I. and Gonos, B.
Rnai probes targeting cancer-related proteins
Patent: WO 2004018676-A 88 04-AMR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Ratent: WO 2004018676-A 67 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 19; Conservative 0; Mismatches 0;
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/mol_type="unassigned DNA"
/noTe="RNAi for human clusterin"
                                                                                                                 ch 95.2%; Score 20; DB 6; L Similarity 100.0%; Pred. No. 1.5e+02; 20; Conservative 0; Mismatches 0;
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synthetic construct
other sequences; artificial sequences
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Sequence 67 from Patent WO2004018676.
CQ786179
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synthetic construct
other sequences; artificial sequences.
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                                                Jansen, B., Gleave, M.E., Signaevsky, M., Beraldi, E., Trougakos, I. and
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          Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Patent: WO 2004018676-A 9 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
                                                                                     Rnai probes targeting cancer-related proteins
Patent: WO 2004018676-A 66 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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/db xref="taxon:32630"
/note="RNAi for human clusterin"
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Sequence 28 from Patent WO2004018675.
CQ786639
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other sequences, artificial sequences.
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synthetic construct
other sequences; artificial sequences.
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Sequence 9 from Patent WO2004018676.
CQ786121

    .23
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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PAT 24-MAR-2004

RESULT 4 CQ786639/c LOCUS

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Jansen, B., Gleave, M.E., Signaevsky, M., Beraldi, E., Trougakos, I. and
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Treatment of melanoma by reduction in clusterin levels
Patent: WO 2004018675-A 29 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E.

Location/Qualifiers
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Rnai probes targeting cancer-related proteins
Ratent: WO 2004018676-A 10 04-MAR-2004;
The University of British Columbia (CA)
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Sequence 10 from Patent WO2004018676.
CQ786122
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Sequence 15 from patent US 6605280.
AR374192.
AR374192.1 GI:4007679?
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AR374192/c
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Patent: WO 2004018675-A 42 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E. (CA)
Location/Qualifiers
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Patent: WO 2004018675-A 43 04-MAR-2004;
The University of Battish Columbia (CA); Gleave, Martin B. (CA)
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Pred. No. 4.5e+02;
; Mismatches 0;
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Sequence 43 from Patent WO2004018675.
CQ786654.1 GI:45721674
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Sequence 42 from Patent WO2004018675.
CQ786653
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synthetic construct
other sequences, artificial sequences.
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CQ786654
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ue-JAN-1987

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PF 25-JUN-1985 JP 1985138494

PI TAKIGUGHI HIROSHI, FURUKAWA HIDEHIKO, TANI TOKIO PC C12N9/66, A61K35/74, A61K37/54, C12N15/00//C07H21/04, (C12N9/66, PC C12N15/00, C12N15/0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       E01067

48 bp DNA linear PAT 29-SEP-1997
DNA sequence coding for human pancreas-2 signal peptide.
E01067
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 48)

Takiguchi, H., Furukaa, H. and Tani, T.
PRODUCTION OF PANCREAS ELASTASE
PARCH. JP 1987000276-A 9 06-JAN-1987;
SANKYO CO LTD NIPPON SODA CO LTD, NISSAN CHEM IND LTD, TOYO SODA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note="unnamed protein product"
/codon start=1
/protein_id="CAB58600.1"
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                                                                                                                                                                                       DNA
                                                                                                                                                                                                                                                                                                                                                                                                                         DNA CODING FOR APHRODISIN
PALENE: WO 9319173-A 7 30-SEP-1993;
FORSSMANN WOLF GEORG (DE)
LOCATION/QUALIFIERS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /mol_type="unassigned DNA"
/db_xref="taxon:32644"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1. .48
/organism="unidentified"
                                                                                                                                                                                  A76301 48 bp
Sequence 7 from Patent WO9319173
                                                       3 CAGCACCAGAGTCCTCAGCAT 23
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JP 1987000276-A/9.
Homo sapiens (human)
Homo sapiens
                                                                                                                                                                                                                                                           A76301.1 GI:6088388
                                                                                                                                                                                                                                                                                                                                                        unclassified.
1 (bases 1 to 48)
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unidentified
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Unclassified.

1 (bases 1 to 50)

Novick,D., Dinarello,C., Rubinstein,M. and Kim,S.H.

Interleukin-18 binding proteins, their preparation and use for blocking the activity of IL-18

Patent: US 6655280-A 15 12-AUG-2003;

Location/Qualifiers
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84.8%; Score 17.8; DB 6; Length 50;
Best Local Similarity 90.5%; Pred. No. 1.6e+03;
Matches 19; Conservative 0; Mismatches 2; Indels
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1 (bases 1 to 32)

1 (bases 2 to 32)

Barbour, E., Meyer, T.E.C. and Saad, M.E. Maize Gos-2 promoters

Patent: US 6504083-A 6 07-JAN-2003;

Location/Qualifiers
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Barbour, E., Meyer, T.E.C. and Saad, M.E.
Maize promoters
Patent: US 6670467-A 6 30-DEC-2003;
Location/Qualifiers
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Sequence 6 from patent US 6670467.
AR444937
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32 bp
AR274120
AR274120.1 GI:29706097
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AR444937
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Gaps

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FH Key Location/Qualifiers
FT sig_peptide 1..48
FT peptide 1..48
FT peptide.

Location/Qualifiers

1..48

/organism="Homo sapiens"
/mol_type="genomic DNA"
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ONIGIN

Query Match

Query Match

Best Local Similarity 85.7%; Pred. No. 9.3e+03; Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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Search completed: September 3, 2005, 15:29:38 Job time: 1864 secs

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Aad62195 Human hae
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Adm83067 Human TRP
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Adm8305 For prime
Aax1643 SNP speci
Aax1643 SNP speci
Abf4918 Human Tra
Abf4918 Human Lra
Abf4918 Plasmolem
Ax0664 Baccillus
Abz77331 Nucleotid
Aaz31857 PCR prime
Abf69555 Rat phosp
Adh64379 Human glu
Adh6398 Human glu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The present sequence is an antisense oligonucleotide directed at the muman testosterone-repressed prostate message-2 (TRPM-2, also known as clusterin, sulfated glycoprotein-2 or SGP-2). The sequence was shown to promote the regression of tumours, and oligonucleotides directed at human TRPM-2 can be used in the treatment of tumour cells expressing the TRPM-2 gene. These include prostate cancer, renal cell cancer and some breast cancer cells. In addition to this, they also increase the chemotherapy is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Treating prostatic tumors and renal cancers by antisense inhibition of the testosterone-repressed prostate messenger-2 gene.
                                                                                                                                                                                                                                                                                                                                                                                             Human; testosterone-repressed prostate message-2; TRPM-2; clusterin; sulfated glycoprotein-2; SGP-2; cancer; antisense oligonucleotide; ss.
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AAA94223
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ADM83067
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ADH63983
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AAZ12445
AAC69972
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AAH79384
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AAX06964
AAZ311857
ABK69555
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AAA37208
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    AAA94226 standard; DNA; 21
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    Gleave M, Rennie PS,
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    WO200049937-A2.
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    AAA94226;
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Adm83069 Human TRP
Adl70406 Antisense
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Adl70430 RNAi for
Adl70432 RNAi for
Adl70523 RNAi for
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                                                                                                                                                                                                 4167226
             5.1.6
Compugen Ltd.
                                                                                                                                                                                                Fotal number of hits satisfying chosen parameters:
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            GenCore version
Copyright (c) 1993 - 2005
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Maximum Match 100%
Listing first 45 summaries
                                                  nucleic search, using sw model
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Maximum DB seq length: 50
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Database

more effective

Gos-2 pro Human mat Mouse IL-Polynucle

Aax24790 1 Aaa09140 C Aaa11024 F Aa815291 N Aa296146

AAA11024 AAS15291 AAZ96146

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RESULT 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2.
                                                                                                                                                                                                                                                                                                  TRPM-2; testosterone-repressed prostate message-2; cytostatic; androgen; prostate cancer; anti-apoptotic protein; antisense; ss.
                                                          Gaps
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                               DB 3; Length 21;
                                                           0; Indels
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     BP; 6 A; 6 C; 4 G; 5 T; 0 U; 0 Other;
                                100.0%; Score 21; DB 3
100.0%; Pred. No. 8.2;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Nelson C,
                                                                                        1 CAGCAGCAGAGTCTTCATCAT 21
                                                                                                          CAGCAGCAGAGTCTTCATCAT 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Miyake H,
                                                                                                                                                                                                                                                                           TRPM-2 antisense oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 1; Page 25; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (UYBR-) UNIV BRITISH COLUMBIA.
                                                                                                                                                                                         BP.
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                                                                                                                                                                                         ACF36398 standard; DNA; 21
                                                                                                                                                                                                                                                  (first entry)
                                  Query Match 100.
Best Local Similarity 100.
Matches 21; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gleave M, Rennie PS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2003-689981/65.
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                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens.
                                                                                                                                                                                                                                                  18-DEC-2003
        Sequence 21
                                                                                                                                                                                                                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                        ACF36398;
                                                                                                                                                               RESULT 2
                                                                                                                                                                                ACF36398
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The present invention provides a method for treating cancer in which cancer cells express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or radiationsensitivity of cancer cells for treating cancer such as prostate cancer, bladder cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The present sequence is human testosterone-repressed prostate message-2 (TRPM -2) antisense oligodeoxyribonucleotide (ODN).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                                                                                                                                                                                                       Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity; radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /mod_base= OTHER
/note= "Phosphorothioate backbone"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                                                                                                                                                                                                                    Human TRPM-2 antisense oligonucleotide #4.
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CAGCAGCAGAGTCTTCATCAT
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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Best Local Similarity 100.0
watches 21; Conservative
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                                                                                                                                       ADM83069 standard; DNA;
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RENNIE P S.
MIYAKE H.
NELSON C.
ZELLWEGER T.
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modified_base
                                                                                                                                                                                                                                                                                                                                                                                      antisense; ss
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(NELS/)
(ZELL/)
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21; Conservative

Query Match Best Local Similarity

Best Loca Matches

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                                                                                                                                                                                                                                                             termination site. They may be modified to increase stability in vivo.

e.g. they may be employed as phosphorothioate derivatives and may have 2', 0-(2-methoxyethy)! (WOB) modifications in the 5' and 3' wings'. The present antisense oligonucleotide is particularly preferred. It is targeted to the translation initiation codon and next 6 codons of the human clusterin sequence. It has a phosphorothioate backbone throughout and MOE wings, the remaining nucleotides being 2'-deoxynucleotides in an example from the invention, this antisense oligonucleotide provided a dose-dependent down-regulation of clusterin in human melanoma cells, leading to an increase in apoptoric cell death. In one melanoma cell line another melanoma cell line another melanoma cell line another melanoma cell line, the surviving cells showed increased
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present sequence is that of an antisense oligonucleotide targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70401 or short interfering RNA (siRNA) ADL70402-ADL70445 targeted to clusterin. The antisense oligonucleotides are complementary to a region of the clusterin mRNA spanning either the translation initiation site or the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
                                                                                                                             Human; clusterin; antisense; melanoma; cytostatic; gene silencing; ss.
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/mod_base= OTHER
/note= "OTHER= 2'O-methoxyethyl modifications"
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/mod_base= OTHER
/mote= "OTHER= 2'O-methoxyethyl modifications"
                                                                                                                                                                                                                         /mod_base= OTHER
/note= "OTHER= phosphorothioate nucleotides"
                                                                                                      Antisense oligonucleotide to human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 7; SEQ ID NO 4; 32pp; English.
                                                                                                                                                                                     Location/Qualifiers
                                 ADL70406 standard; DNA; 21 BP.
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2002US-0408152P.
2002US-0319748P.
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modified_base
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02-DEC-2002;
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                                                                                                                                                                 Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present sequence is a human clusterin cDNA target for a double-stranded short interfering RNA (siRNA) of the invention ADL70522-ADL70523. It was used in an example from the invention to demonstrate clusterin gene silencing in PC-3 prostate cancer cells. Clusterin, also known as testosterone-repressed prostate cancer cells. Clusterin, also glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. siRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, bands such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment
sensitivity to subsequent treatment with cisplatin. A claimed method for regulating expression of bcl-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xL is downregulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor of apoptosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
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20-MAY-2003; 2003US-0472387P.
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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of culterin. The therapeutic agent may be an antisense oligomucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 ADL70404-ADL70422 or cleavested to clusterin. The siRNAs molecules direct cleavage of clusterin RNA. A method for regulating expression of Dcl-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xL in is is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor of apoptosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; clusterin; RNAi; melanoma; cytostatic; gene silencing;
short interfering RNA; siRNA; DNA-RNA hybrid; ss.
                                             DB 12; Length 21; 23;
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  Sequence 21 BP; 5 A; 4 C; 5 G; 2 T; 5 U; 0 Other;
                                             95.2%; Score 20; DB
ilarity 100.0%; Pred. No. 23;
Conservative 0; Mismatches
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/note= "OTHER= TT'
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(GLEA/) GLEAVE M E.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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/mod_base=
                                                                                                                                                                                                                                                                                                 ADL70430/c
ID ADL70430 standard; RNA; 21
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                              Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present sequence is the sense strand of a short interfering RNA (sirNA) targeted to human clusterin. The antisense strand is also provided ADL70465. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SiRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, badder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                    Gaps
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                                                                                                                                    ö
                                                                                      DB 12; Length 23;
                                                                                                                                    Indels
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                                      Sequence 23 BP; 5 A; 5 C; 7 G; 6 T; 0 U; 0 Other;
                                                                                                             8.3;
                                                                                                                                      Mismatches
                                                                                      Score 21;
Pred. No. 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Signaevsky M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /*tag= a
/mod_base= OTHER
/note= "OTHER= dTdT"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                       100.0%; Scul
100.0%; Pre
                                                                                                                                                                                       1 CAGCAGCAGAGTCTTCATCAT 21
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                                                                                                                                                                                                                23 CAGCAGCAGAGTCTTCATCAT
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                ADL70464/C

ADL70464/C

ADL70464/C

ADL70464;

XX

ADL70464;

XX

Z 20-MAY-2004 (first entry)

XX

RNA interference; RNA; short

XX

RNA interference; RNA; short

XX

Cytostatic; neuroprotective;

XX

Homo sapiens.

Synthetic.

XX

Homo sapiens.

Synthetic.

XX

ADL704018676-A2.

XX

MO2004018676-A2.

XX

The MO2002; 2002US-0405193P.

PR

21-AUG-2002; 2002US-0405193P.

PR

21-AUG-2002; 2002US-0405193P.

XX

CO-MAY-2003; 2003US-041387P.

XX

MPI; 2004-226852/21.

XX

MPI; 2004-226852/21.

XX

The present sequence is the forman clusease or cancer.

XX

The present sequence is the formal disease or cancer.

XX

Claim 4; SEQ ID NO 9; 63pp; PR

XX

CC

Alsease or cancer.

XX

Claim 4; SEQ ID NO 9; 63pp; PR

CC

Alsease or cancer.

CC

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                                                                                              Query Match
Best Local Similarity 100.
Matches 21; Conservative
of Alzheimer's disease.
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Sequence 19 BP; 5 A; 4 C; 5 G; 0 T; 5 U; 0 Other;

g

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(91RNA) targeted to a specific portion ADD/0521 of human clusterin cDNA.

The antisense strand is also provided ADD/0523. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated

Stroprotein-2 (SGP-2), is expressed in increased amounts by prostate clumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse medels of Alzheimer's disease.

SIRNAS of the invention can be used alone or in combination with other chemotherapy or apoptorsis inducing treatments for the treatment of prostate cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, amplastic large cell lymphoma and melanoma, and also for the treatment of canaplastic large cell lymphoma and melanoma, and also for the present of Alzheimer's disease. In an example from the invention, the present sinka was used to examine the effects of clusterin gene silencing in PC-3 prostate cancer cells. A reduction in clusterin transcript was observed.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                                                                                                                                                                                                                                                                                                                  RNA interference, RNAi, short interfering RNA, siRNA; human, clusterin, cytostatic, neuroprotective, nootropic, gene silencing, DNA-RNA hybrid,
                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   present sequence is the sense strand of a short interfering RNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gleave ME, Signaevsky M, Beraldi E, Trougakos IP;
                                       ö
95.2%; Score 20; DB 12; Length 21; 100.0%; Pred. No. 23; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 4; SEQ ID NO 67; 63pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /mod_base= OTHER
/note= "OTHER= dTdT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                        2 AGCAGCAGAGTCTTCATCAT 21
                                                                                               20 AGCAGCAGAGTCTTCATCAT 1
                                                                                                                                                                                                     BP
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                   ADL70522 standard; RNA; 19
                                                                                                                                                                                                                                                                           (first entry)
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                                                                                                                                                                                                                                                                                                                RNAi for human clusterin.
                   Local Similarity 100.
1es 20; Conservative
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modified_base
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Gonos ES;
                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic.
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   Query Match
                                    Matches
                                                                                                                                                                 RESULT
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The present sequence is the antisense strand of a short interfering RNA (siRNA) targeted to a specific portion ADI/0521 of human clusterin cDNA. The sense strand is also provided ADI/0522. The siRNA can be used to interfere with the expression of Clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoptotain-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to critical for neuritic toxicity in mouse models of Alzheimer's disease. SinghAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, brader cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease. In an example from the invention, the present siRNA was used to examine the effects of clusterin gene silencing in PC-3
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                                                                                                                                                                                                                                                                                                                                                    RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                      Gaps
                                    ö
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Score 19; DB 12; Length 19;
Pred. No. 64;
                                    0; Indels
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Query Match
90.5%; Score 19; DB
Best Local Similarity 100.0%; Pred. No. 64;
Matches 19; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /mod_base= OTHER
/note= "OTHER= dTdT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
                                                                         3 GCAGCAGAGTCTTCATCAT 21
                                                                                            19 GCAGCAGAGICTICATCAT 1
                                                                                                                                                                                                      ADL70523 standard; RNA; 19 BP.
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                                                                                                                                                                               (first entry)
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                                                                                                                                                                                                                                                                                                                   RNAi for human clusterin.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Key
modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                        ADL70523;
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Gaps

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Indels

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DB 12; Length 19; 64;

Score 19; DB 1; Pred. No. 64; 0; Mismatches

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Query Match
Best Local Similarity 100.
Matches 19; Conservative
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                                                                                                                                                ADL70445;
                                                                                                       RESULT 11
                                                                                                                  ADL70445
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 margeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bol-xi in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bol-xi is down-regulated when the effective amount of clusterin is reduced, Such inhibition is significant because bol-xi is known to act as an inhibitor
prostate cancer cells. A reduction in clusterin transcript was observed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
                                                               Gaps
                                                               ö
                                                                                                                                                                                                                                           RNA; melanoma; cytostatic; gene silencing;
RNA; siRNA; DNA-RNA hybrid; ss.
                                         DB 12; Length 19;
                                                              Indels
                                                              ;
                    G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Seguence 19 BP; 5 A; 4 C; 5 G; 0 T; 5 U; 0 Other;
                                        Query Match 90.5%; Score 19; DB Best Local Similarity 73.7%; Pred. No. 64; Matches 14; Conservative 5; Mismatches
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                                                                                                                                                                                                                                                                                                         cocation/Qualifiers
                                                                                                                                                                                                                                                                                                                              /*tag= a
/mod_base= OTHER
/note= "OTHER= TT"
                                                                                              1 GCAGCAGAGUCUUCAUCAU 19
                                                                                  3 GCAGCAGAGTCTTCATCAT 21
                                                                                                                                                                                                                                                                                                                                                                                                                                 2002US-0405193P.
2002US-0408152P.
2002US-0319748P.
2003US-0472387P.
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                    Sequence 19 BP; 5 A; 5 C; 4
                                                                                                                                                        ADL70444 standard; RNA; 19
                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                       RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                  .19
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                                                                                                                                                                                                                                           Human, clusterin,
short interfering
                                                                                                                                                                                                                                                                                                                                                                      WO2004018675-A1
                                                                                                                                                                                                                                                                                                        Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                 21-AUG-2002; 2
03-SEP-2002; 2
02-DEC-2002; 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           apoptosis.
                                                                                                                                                                                                                                                                          Homo sapiens.
Synthetic.
                                                                                                                                                                                                  20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                          04-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Jansen B;
                                                                                                                                                                             ADL70444;
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                                                                                                                                                                                                                                          Human;
                                                                                                                                               ADL70444/C
                                                                                                                                    RESULT 10
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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70401 or short interfering RNA (siRNA) ADL70422-ADL7045 magnet of clusterin. The siRNAs moleculas direct cleavage of clusterin mRNA. A method for regulating expression of bol-xi in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing collusterin of bol-xi is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xi is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; clusterin; RNAi; melanoma; cytostatic; gene silencing;
short interfering RNA; siRNA; DNA-RNA hybrid; ss.
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No. 64;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 20; SEQ ID NO 43; 32pp; English.
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18. .19
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Pred.
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/note= "OTHER= TT"
100.08;
                                                                                                            21
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                                                                                                                                                                                                                                                                                                                    BP.
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                                                                                                         GCAGCAGAGTCTTCATCAT
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02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                                                                                                                                                                                                                 ADL70445 standard; RNA; 19
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(GLEA/) GLEAVE M E.
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Best Local Similarity
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modified_base
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Synthetic.
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Human, clusterin, RNAi, melanoma, cytostatic, gene silencing,
short interfering RNA, siRNA, DNA-RNA hybrid; 88.
                                                                                                                                                                                                                                                                 Location/Qualifiers 20. .21
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/note= "OTHER= TT'
            ADL70431 standard; RNA; 21 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                         21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                                                                   RNAi for human clusterin.
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(GLEA/) GLEAVE M E
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modified_base
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Synthetic.
                                                                                                                                            20-MAY-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present sequence is the antisense strand of a short interfering RNA (siRNA) targeted to human clusterin. The sense strand is also provided ADL70464. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TREM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SiRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease.
                                                                                                                                                                                                     RNA interference, RNAi, short interfering RNA, siRNA; human, clusterin, cytostatic, neuroprotective, nootropic, gene silencing, DNA-RNA hybrid,
   Gaps
   ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Jansen B, Gleave ME, Signaevsky M, Beraldi E, Trougakos IP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ilarity 73.7%; Pred. No. 65; Conservative 5; Mismatches 0. 7-2-1-
  Indels
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 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 4; SEQ ID NO 10; 63pp; English.
                                                                                                                                                                                                                                                                                                             /*tag= a
/mod_base= OTHER
/note= "OTHER= dTdT"
                                                                                                                                                                                                                                                                                        Location/Qualifiers
                        3 GCAGCAGAGTCTTCATCAT 21
                                    'n
                                                                                                         ВЪ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                                                                                                                                                                 21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                                                                            21-AUG-2003; 2003WO-CA001277.
                                                                                                         ADL70465 standard; RNA; 21
                                                                                                                                                       (first entry)
 14; Conservative
                                                                                                                                                                             RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
Matches 14; Conserv
                                                                                                                                                                                                                                                                                                                                                             WO2004018676-A2
                                                                                                                                                                                                                                                                                       Key
modified_base
                                                                                                                                                                                                                                                    sapiens
                                                                                                                                                       20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                    04-MAR-2004
                                                                                                                                                                                                                                                                 Synthetic.
                                                                                                                              ADL70465;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gonos ES;
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                                                                                                                                                                                                                                                         The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin AD170403. The invantion relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide AD170404-AD170401 or short interfering RNA (siRNA) AD170422-AD170445 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bol-xi in a subject or cell line comprises administering an agent effective to modulate the amount of ulusterin expression. In clusterin-expressing cells, expression of bol-xi is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xi is known to act as an inhibitor
Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                   Claim 20; SEQ ID NO 29; 32pp; English.
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Gape ; 0 (first entry)

03-JUN-2004

GCAGCAGAGUCUUCAUCAU 19

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The invention relates to a compound consisting of an oligonuclectide with a phosphorothioate backbone throughout, in which: (a) sugars on nucleotide residues 1-4 and 18-21 are 2'-O-methoxyethyl modified, and the remaining nucleotides 5-17 are 2'-Geoxy; and (b) the cytosines at constitutions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence constraints used: (a) to delay progression of androgen sensitive prostatic cancer cells to the androgen-independent state, in vivo in vitro; (b) to treat prostatic cancer (after initially withdrawing cutro; (b) to treat prostatic cancer (after initially withdrawing constrain and some breast cancer cells) that express abnormal levels of ovarian and some breast cancer cells) that express abnormal levels of TREM-2 to chemotherapy or radiation. The modifications present in (1) increase stability in vivo and activity (both in vivo or in vitro) and result in a symergistic increase attivity and activity (both in vivo or in vitro) and result in a symergistic increase inffect when (1) is used with the change of the construction o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2.
                                                                                                                                                                                                                                               TRPM-2; testosterone-repressed prostate message-2; cytostatic; androgen; prostate cancer; anti-apoptotic protein; antisense; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              against other antiapoptotic genes. The present sequence represents a mismatch control oigonucleotide, used in antisense assays of anti-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  apoptotic protein TRPM-2 (testosterone-repressed prostate message-2)
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84.8%; Score 17.8; DB 10; Length 21;
Best Local Similarity 90.5%; Pred. No. 2.3e+02;
Matches 19; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                       DNA sequence of a TRPM-2 mismatch control oigonucleotide.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Miyake H, Nelson C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 13; Page 20; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 CAGCAGCAGAGTCTTCATCAT 21
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                     ВР
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                     ACF36409 standard; DNA; 21
                                                                                                                                      (first entry)
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                                                                                                                                         18-DEC-2003
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                                                                                                                                                                                                                                                                                                                                                 Synthetic.
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The present invention provides a method for treating cancer in which cancer cells express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The present sequence is control testosterone-repressed prostate message-2 (TRPM-2) mismatch oligonucleotide. The oligonucleotide is used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                  Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity; radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                    Nelson C,
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                           Control TRPM-2 mismatch oligonucleotide.
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 84.8%;
                                                                                                                                                                                                                  28-SEP-2001; 2001US-00967726.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 90.5
Matches 19; Conservative
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Job time : 435 secs
                                                                                                                                                                                                                                                                                                                                                                                                        Rennie PS,
                                                                                                                                                                                                                                                                                                            GLEAVE M.
RENNIE P S.
MIYAKE H.
                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2003-778017/73.
                                                                                                                                                                                                                                                                                                                                                          NELSON C.
ZELLWEGER T.
                                                                                                                                                      US2003158130-A1
                                                                                                                       Unidentified
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Arabidops 1M0435N18

AA109083 mp37b05.r AA652336 mb35b02.r AA64073 vx88f02.r AU104442 AU104442 CR155807 Reverse s AZ305164 100005M08 AZ305164 100005M08 AZ318599 1000037N24 AA116347 mq70g12.r B1246596 602958318 AG201385 Pan trog1 BX285461 Arabidops BH910804 5ALK 0626 CG74406 1123018G0 BZ586362 3590 1.a CA964065 CCLL02a07 H92446 fye9b09.r1 T74174 yc6ob12.s1

Perfect score:

Sequence:

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Run

Total number

Database

Searched:

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/mol_type="mRNA"
/db_xref="taxon:966"
/clone="INAGE:1473356"
/tissue type="adenocarcinoma"
/tissue type="adenocarcinoma"
/lab_host="DH10B"
/clone="lorgan: colon; Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; lst strand cDNA was prepared from colon adenocarcinoma, and was then primed with a Not I.-oligo(dT) primer. Double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. Library is normalized. Library was constructed by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   46 bp mRNA linear EST 14-APR-1998 ob80e11.61 NCI CGAP CO8 Homo sapiens cDNA clone IMAGE:1473356 3' similar to TR:Q15347 Q15347 RAGA. [1] ;, mRNA sequence. AA916352.1 GI:3055744
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
Emmert-Buck, M.D., Ph.D.
CDN Library Preparation: M. Bento Soares, Ph.D.
CDN Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
11 (bases 1 to 46)
12 (CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index
Unpublished (1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Trace considered overall poor quality
Seg primer: -40ml3 fwd. ET from Amersham
High quality sequence stop: 1.
Location/Qualifiers
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/organism="Homo sapiens"
                  AJS87667
AZ610505
AA052336
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AB04447
AB104447
AB1055807
AA116347
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AUTHORS
TITLE
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KEYWORDS
SOURCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 1
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AU105967
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264.073 Million cell updates/sec
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                                                                                                                     September 3, 2005, 14:58:36; Search time 3027 Seconds
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CC794149 S

CC794149 S

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AZ802584 2

BH908888 S

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AL107924 A

AU107928 A

AU107928 A

AU107929 A

AU105967 A
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                  GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                             34239544 segs, 19032134700 residues
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SUMMARIES
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Listing first 45 summaries
                                                                                    - nucleic search, using sw model
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Gapop 10.0 , Gapext 1.0
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9b_est2::*
9b_est3::*
9b_est4::*
9b_est6::*
9b_est6::*
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Match Length
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Maximum DB seg length: 50
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            CAGCAGCAGAGTCTTCATCAT
                                        CAGCAGTAGGGTCATCTTCAT
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//dev_stage="19" weeks"
//dev_stage="19" weeks"
//dev_stage="Dilion resistant)"
//dev_stage="Dilion resistant)"
//done_lib="Soares fata_lheart NDHH19W"
//done="Organ: heart; Vector: pT773D (Pharmacia) with a notes forgan: heart; Vector: pT773D (Pharmacia) with a notes fata cond was primed with a Not I - oligo(dT) primer [5' strand cDNA was primed with a Not I - oligo(dT) primer [5' stranded cDNA was size selected, ligated to Eco RI adapters (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pT73 vector (Pharmacia). Library went through one round of normalization to a Cot = 5. Library constructed by M Fatima Bonaldo: This library was constructed from the game fetus as the fetal lung library, Soares fetal lung
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: est@watson.wustl.edu
This clone is available royalty-free through LLNL; contact the
This clone is available royalty for further information.
Trace considered overall poor quality
Insert Length: 586 Std Error: 0.00
Seq primer: mob.REGA+ET
High quality sequence Stop: 1.
High quality sequence Stop: 1.
                                                                                                                                                                                                                                                                     W25663 LOOV-1996 ARNA linear EST 25-NOV-1996 zc64e08.rl Soares fetal heart NDHH19W Homo sapiens cDNA clone IMAGE:327110 5' similar to gb.X15183_cds1 HEAT SHOCK PROTEIN HSP 90-ALPHA (HUMAN); mRNA sequence.
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Homo sapiens
Homo sapiens
Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Bukaryota, Metazoa, Chordata, Catarrhini, Hominidae, Homo.

1 (bases 1 to 44)
Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.,
Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
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Pred. No. 5.2e+04;
0; Mismatches 4; Indels
                                                             46;
                                                                                                   Indels
                                                             Length
Bento Soares and M. Fatima Bonaldo.
                                                             3; Dr. 4.2e+04; 2;
                                                         Score 14.8; DB 1;
Pred. No. 4.2e+04;
0; Mismatches 2;
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/mol_type="mRNA"
/db_xref="GDB:1261312"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  clone="IMAGE:327110"
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Unpublished (1995)
Contact: Wilson RK
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Local Similarity 88.9%;
hes 16; Conservative (
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Matches 17; Conservative
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/ organism="Arabidopsis thaliana"
/mol_type="genomic DNA"
/mol_type="genomic DNA"
/ecctype="COl-0"
/db_xref="taxon:3702"
/clone="SALK 087727"
/clone lib="Arabidopsis thaliana TDNA insertion lines"
/clone lib="Arabidopsis thaliana TDNA insertion lines"
/clone lib="Arabidopsis thaliana lines
ach of which contrains one or more TDNA insertion
elements. The resultant fragment for each line was
directly sequenced to determine the genomic sequence
directly sequence do determine the genomic sequence
the site of insertion. Details of the protocols used can
be found at http://signal.salk.edu/tdna_protocols.html"
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BH861678 SALK 087727 Arabidopsis thaliana TDNA insertion lines Arabidopsis thaliana genomic clone SALK_087727, genomic survey sequence.
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Pred. No. 9.8e+04;
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100.0%; Pred. No. ...
'... 0; Mismatches
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/strain="129 OLA"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                       Alongo, J.M., Leisse, T.J., Barajas, P., Chen, H., Cheuk, R., dadatinab, C., Jeske, A., Karnes, M., Kim, C.J., Parker, H., Prednis, L., Shinn, P., Zimmerman, J. and Ecker, J.R. A Sequence-Indexed Library of Insertion Mutations in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /clone="SALK 043910.30.25.x"
/clone="SALK 043910.30.25.x"
/clone="Incrementary of the performed on Arabidopsis thaliana lines each of was performed on Arabidopsis thaliana lines each of which contains one or more TDNA insertion elements. The resultant fragment for each line was directly sequenced to determine the genomic sequence at the site of insertion. Details of the protocols used car be found at http://signal.salk.edu/tdna_protocols.html"
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Sanger Intitute Gene Trap Resource - SIGTR. http://www.sanger.ac.uk/PostGenomics/genetrap/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Contact: Sanger Institute Gene Trap Resource - SIGTR
Wellcome Trust Sanger Institute
Email: info.genetragesanger.ac.uk
Sequence tag generated by 5' RACE of total RNA from gene trap ES
cell line. ES call lines harboring insertion mutation of target
gene are available upon request from Sanger Institute Gene Trap
Resource. Annotation information available from
                                                                                                                                                                                                                                                                                                                                                                          This is single pass sequence recovered from the left border of TDNA.
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Spermatophyta; Magnollophyta; eudicotyledons; core eudicots; rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
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                                                                                                                                                                                                           Contact: Joseph R. Ecker Salk Institute Genomic Analysis Laboratory (SIGnAL) The Salk Institute Genomic Analysis Laboratory (SIGnAL) The Salk Institute for Biological Studies 10010 N. Torrey Pines Road, La Jolla, CA 92037, USA PEAR: 858 558 6179 Ear: 858 558 6179 Ear: 858 558 6179 Eari Bari: ecker@salk.edu
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             organism="Arabidopsis thaliana"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /mol_type="genomic_DNA"
/ecotype="Col-0"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /db_xref="taxon:3702"
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GSS.
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Unpublished (2001)
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/lab hoste...B. Coli strain XL10-Gold, T1-resistant, F-"
/clone lib="Mouse 10kb plasmid UUGCIM library"
/clone lib="Wouse 10kb plasmid UUGCIM library"
/clone lib="Wouse 10kb plasmid UUGCIM library"
/mote="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerses and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
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2M0061105R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
                                                                                             /cell type="Embryonic Stem Cell"
/clone lib="Sanger Institute Gene Trap Library pGT0lxr"
/note="Vector: pGT0lxr"
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                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                   Score 13.4; DB 9;
Pred. No. 1.8e+05;
0; Mismatches 1;
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Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0061 row: I column: 05
Seg primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 21.

    .21
    /organism="Mus musculus"
/mol type="genomic DNA"
/strain="C57BL/6J"

/db_xref="taxon:10090"
/sex="Male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /db_xref="taxon:10090"
/clone="UUGC2M0061105"
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Mus musculus
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                                                                                                                                                                                                                                                                                                                                                   ch 63.8%;
1 Similarity 93.3%;
14; Conservative
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Tue

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Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                         Tumor Gene Index
Unpublished (1997)
                                                                                                    mRNA sequence.
                                                                                                                                                                                                         sapiens
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  RESULT 8
AA973632
LOCUS
DEFINITION
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AL948370/c
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AUTHORS
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inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into enemically-competent B. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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Alonso,J.M., Leisse,T.J., Barajas,P., Chen,H., Cheuk,R.,
Gadrinab,C., Jeske,A., Karnes,M., Kim,C.J., Parker,H., Prednis,L.,
Shinn,P., Zimmerman,J. and Ecker,J.R.
A Sequence-Indexed Library of Insertion Mutations in the
Arabidopsis Genome
Unpublished (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /db xref="cxxxx:3702"
/clone="SALK O51042.25.80.x"
/clone="SALK O51042.25.80.x"
/clone lib="Ārabidopsis thaliana lines"
/note="PCR was performed on Arabidopsis thaliana lines
each of which contains one or more TDNA insertion
elements. The resultant fragment for each line was
directly sequenced to determine the genomic sequence at
the site of insertion. Details of the protocols used car
be found at http://signal.salk.edu/tdna_protocols.html"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This is single pass sequence recovered from the left border of TDNA. This sequence lies within an annotated exon of At5g58140. Class: TDNA tagged.
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Pred. No. 2.7e+05;
0; Mismatches 5; Indels
                                                                                                                                                                 61.9%; Score 13; DB 8; Length 21; larity 76.2%; Pred. No. 2.5e+05; Conservative 0; Mismatches 5; Indels
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/organism="Arabidopsis_thaliana"
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/ecotype="Col-0"
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76.2%;
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Best Local Similarity 76.2
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                            survey sequence.
BH908888
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Matches
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48 bp DNA linear GSS 02-APR-2004
grabidopsis thaliana T-DNA flanking sequence GK-311H09-015792,
AL948370
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/lab_host="DHIOB"
/lab_host="DHIOB"
/lab_host="DHIOB"
/clone libs="NCI_CGAP_LUS"
/note="Organ: liung; Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; lst strand CDNA was prepared from meroendoorsine lung carcinoid, and was then primed with a not Ecc RI adaptors (Pharmacia), digested with Not I and colled into the Not I and Sco RI sites of the modified pl7T3 vector. Library is normalized. Library was constructed by Bento Soares and M. Fatima Bonaldo. "
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                Contact: Robert Strausberg, Ph.D.
Email: Gapbs-r@mail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
Emmert-Buck, M.D., Ph.D.
cDNA Library Preparation: M. Bento Soares, Ph.D.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NG-CGAP clone distribution information can be
found through the L.M.A.G.E., Consortium/LINL at:
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AA973632 43 bp mRNA linear EST 17-JUN-1990
co48b04.s1 NCI_CGAP_LUS Homo sapiens CDNA clone IMAGE:1569391 3'
similar to SW:XPE_CERAE P33194 POSSIBLE DNA-REPAIR PROTEIN XP-E ;,
                                                                                                                                                                                                                                                           Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo. I (bases 1 to 43) NCI-GAP http://www.ncbi.nlm.nih.gov/ncicgap. NCI-GAP http://www.ncbi.nlm.nih.gov/ncicgap. National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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61.9%; Score 13; DB 1; Length 43;
Best Local Similarity 76.2%; Pred. No. 2.8e+05;
Matches 16; Conservative 0; Mismatches 5; Indels
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/db_xref="taxon:9606"
/clone="IMAGE:1569391"
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GSS.
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Department of Virology
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Batil: Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and
Sugano,S. Construction and characterization of a full
length-enriched and a S.-end-enriched cDNA library. Gene 200 (1-2),
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Institute of Medical Science, University of Tokyo
Hostitute of Medical Science, University of Tokyo
He-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
He-1, Supuzukidims.u-cokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and
Sugano,S. Construction and characterization of a full
Hength-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2),
149-156 (1997).
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(Lase 1 to 50)
Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Bata,H., Tsunoda,T., Morishita,S., Okubo,K., Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S., Okubo,K., Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites

EMBO Rep. 2 (5), 388-393 (2001)
  Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 50)
                                                                                             Suzuki,Y., Taira,H., Teunoda,T., Mizushima-Sugano,J., Sese,J., Hata,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 50;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /mol_type="mRNA"
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Location/Qualifiers
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Matches 14; Conserv
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Strizhov, N., Rosso, M.G., Li, Y. and Weisshaar, B..

Direct Submission

Direct Submission

Submitted (31-MRA-2004) Weisshaar B., Max-Planck-Institut fuer

Zuechtungsforschung, Carl-von-Linne-Weg 10, Koeln, 50829, Germany

This sequence has been recovered from the left border of the T-DNA.

It indicates an insertion close to or within gene At194110.

Details on the protocols used for generation of the sequence are described in References 1-3. The sequences are generated at the MPI for Plant Breeding Research in the context of the GABI-Kat project.

GABI-Kat is part of the German Plant Genomics program designated

'GABI'. Information on line availability can be found at:

Location/Qualifiers
                                                                                                                                                                                                                                                         Weisshaar, B.
An Arabidopais thaliana T-DNA mutagenized population (GABI-Kat) for flanking sequence tag-based reverse genetics
Plank Mol. Biol. 53 (1-2), 247-259 (2003)
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                                                Li,Y., Rosso,M.G., Strizhov,N., Viehoever,P. and Weisshaar,B. GABI-Kat SimpleSearch: a flanking sequence tag (FST) database for the identification of T-DNA insertion mutants in Arabidopsis thaliana
Bioinformatics 19 (11), 1441-1442 (2003)
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AU107924 Sugano Homo sapiens CDNA library Homo sapiens CDNA clone
AU107055, mRNA sequence.
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/strain="Columbia 0"
/db_xref="teaxon:3702"
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/clone lib="Arabidopsis thaliana T-DNA insertion lines"
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Weisshaar,B.
     cosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               High-throughput generation of sequence indexes from T-DNA mutagenized Arabidopsis thaliana lines BioTechniques 35 (6), 1164-1168 (2003)
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Matches 16; Conservative
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Gaps

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An Arabidopsis thaliana T-DNA mutagenized population (GABI-Kat) for Flanking sequence tag-based reverse genetics Plant Mol. Biol. 53 (1-2), 247-259 (2003)
                                                                                                                                                                                                                        Department of Virology
Institute of Medical Science, University of Tokyo
1. Shirokanedai, Minatoku, Tokyo 108-8639, Japan
1. Shalkikaima. u.tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and
Sugano,S. Construction and characterization of a full
length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2),
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Arabidopsis thaliana
Bukaryota; Viridiplantae, Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 50)
Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J.,
Bakai,Y., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K.,
Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
ENBO Rep. 2 (5), 388-393 (2001)
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61.0%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 3.5e+05;
Matches 14; Conservative 0; Mismatches 2;
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/organism="Homo sapiens"
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Department of Virology
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitokomo.Nakagawa,K., Maruyama,K., Suyama,A. and
Sugano,S. Construction and characterization of a full
length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2),
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Bukaryotas, Metazoa, Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Hata,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K.,
Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, large-scale
mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
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/clone_lib="Sugano Homo sapiens cDNA library"
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                                                                                                       Zuechtungsforschung, Carl-von-Linne-Weg 10, Koeln, 50829, Germany This sequence has been recovered from the left border of the T-DNA. It indicates an insertion within the locus defined by BAC clone at 1017. Details on the protocols used for generation of the sequence are described in References 1-3. The sequences are generated at the MPI for Plant Breeding Research in the context of the GABI-Kat project. GABI-Kat is part of the German Plant Genomics program designated 'GABI'. Information on line availability can be found at: http://www.mpiz-koeln.mpg.de/GABI-Kat/.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     fragment(s) resulting from the PCR were directly sequenced to determine the genomic sequence flanking the insertion.
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similar to SW:COX2 HUMAN P00403 CYTOCHROME C OXIDASE POLYPEPTIDE II
;, mRNA sequence.
AI766391
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CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NOI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /noce="PCR was performed on DNA from Arabidopsis thaliana plants (T1) which were transformed with the T-DNA from vector pAC161 (GenBank accession number: AJ537514). The lines contain one or more T-DNA insertions. The DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (basea 1 to 43)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Contact: Robert Strausberg, Ph.D.
Emall: agapbe-r@mall.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
Emmert-Buck, M.D., Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /db_xref="taxon:3702"
/clone="GK-204B10-014508"
/clone_lib="Arabidopsis thaliana T-DNA insertion lines"
                                                                                 Submitted (31-MAR-2004) Weisshaar B., Max-Planck-Institut fuer
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Pred. No. 4.2e+05;
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                              Strizhov, N., Rosso, M.G., Li, Y. and Weisshaar, B. Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                organism="Arabidopsis thaliana"
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Insert Length: 641 Std Brror: 0.00
Seg primer: -40UP from Gibco
High quality sequence stop: 1.
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/strain="Columbia 0"
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Best Local Similarity 78.9%;
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Homo sapiens (human)
Homo sapiens
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Unpublished (1997)
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REFERENCE
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AUTHORS
                                                                                   JOURNAL
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Location/Qualifiers

location/Qualifiers

location="thmospiens"

/ Organism="Homo sapiens"

/ Mmol_type="makNa"

/ Ab_xref="taxon:9606"

/ Clone="lib="makNa"

/ Lab host="DHIORS 1238523"

/ Lab host="DHIORS 1238523"

/ Lab host="DHIORS 1238523"

/ Lab host="DHIORS 128523"

/ Lab host="DHIORS 1238523"

/ Lab host="DHIORS 12385"

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Query Match 60.0%; Score 12.6; DB 1; Length 43; Best Local Similarity 78.9%; Pred. No. 4.2e+05; Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps

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 Search completed: September 3, 2005, 16:20:16 Job time : 3031 secs

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Sequence 423, App Sequence 237, App Sequence 528, App Sequence 524, App Sequence 533, App Sequence 531, App Sequence 20, Appl Sequence 422, App Sequence 422, App Sequence 422, App Sequence 2, Appl Sequence 126, App Sequence 126, App Sequence 126, App Sequence 306, App Sequence 808, App Sequence 808, App Sequence 808, App Sequence 136, App Sequence 808, App Sequence 136, App Sequence 808, App Sequence 121, App	th 26;
12.4 0.8 15 1 US-08-182-968A-423 12.4 0.8 15 1 US-08-363-240A-237 12.4 0.8 15 1 US-08-363-240A-528 12.4 0.8 15 1 US-08-363-240A-724 12.4 0.8 15 1 US-08-311-486C-533 12.4 0.8 15 1 US-08-311-486C-687 12.4 0.8 15 1 US-08-774-306A-2 12.4 0.8 15 1 US-08-774-306A-2 12.4 0.8 15 1 US-08-774-306A-42 12.4 0.8 15 1 US-09-064-156A-423 12.4 0.8 15 1 US-09-081-646-126 12.4 0.8 15 1 US-09-081-646-126	RESULT 1 US-08 = 859-988-747 US-08 = 859-988-747 US-08 = 859-988-747 Sequence 747, Application US/08859998 Patent No. 5994076 GENERAL INFORMATION: APPLICANT: Genchik, Alex APPLICANT: Bibliashvilli, Robert TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL TITLE OF INVENTION: EXPRESSION NUMBER OF SEQUENCES: 1375 CORRESPENDER FISH & Richardson, P.C. STREET: 2200 Sand Hill Road, Suite 100 CITY: Menlo Park STREET: 4025 COMPUTER: US COMPUTER: US COMPUTER: Diskette COMPUTER: Diskette COMPUTER: Diskette COMPUTER: 18408 SETILON SYSTEM: Windows Version 2.0 OPERATION SYSTEM: Windows Version 2.0 CURRENT APPLICATION DATA: APPLICATION NUMBER: 137,620 RECIENCA PELICATION NUMBER: 37,620 RECIENCA PROMENTION NUMBER: FILING DATE: FILING DATE: 1-MA-1997 CLASSIFICATION NUMBER: 37,620 RECIENCA FILING DATE: FILING DATE: FILING DATE: TITLE TON NUMBER: TITLE PHONE: A15-322-5070 TELEPHONE: 415-322-5070 TELEPHONE: 415-322-5070 TELEPHONE: TYPE: MOLECUE TYPE: DNA FEATURE TYPE: DNA FEATURE TYPE: DNA FEATURE:
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	pp1 App
Sequence 10037, A Sequence 10038, App Sequence 467, App Sequence 25, Appl Sequence 21, Appl Sequence 21, Appl Sequence 24, App Sequence 25, Appl Sequence 27, Appl Sequence 27, Appl Sequence 27, Appl Sequence 27, Appl Sequence 25, Appl Sequence 25, Appl Sequence 25, Appl Sequence 27, Appl Sequence 25, Appl Sequence 27, Appl Sequence 27, Appl Sequence 25, Appl Sequence 27, Appl Sequence 25, Appl Sequence 27, Appl Sequence 25, Appl Sequence 27, Appl Sequence 25, Appl Sequence 27, Appl Sequence 27, Appl Sequence 25, Appl Sequence 25	The state of the s
66-108A-10037 66-108A-10038 17-952-797 58-306-467 59-455B-25 99-455B-27 74-700B-21 757-024-874 757-024-944 669-781B-25 669-781B-27 84-040-7759 84-040-7759 84-040-7759 84-040-7759 84-040-7759	US-08-123D-27 US-08-583-153A-25 US-08-583-153A-25 US-08-583-153A-27 US-08-638-524B-27 US-08-638-524B-27 US-08-638-524B-27 US-09-371-772B-4182 US-09-371-772B-4182 US-09-866-108A-7485 US-09-866-108A-8669 US-09-866-108A-8661 US-09-88-10-114 US-09-03-17-151 US-09-03-17-151 US-09-03-17-18B-67 US-09-677-192-68 US-09-677-192-68 US-09-677-192-68 US-09-677-192-68 US-09-677-192-68 US-09-677-192-68 US-09-677-192-68 US-09-677-192-68 US-09-677-192-68 US-09-677-192-68 US-09-677-192-68 US-09-677-192-68 US-09-093-972C-945 US-09-093-972C-945 US-09-093-972C-945 US-09-093-972C-945 US-09-093-972C-945 US-08-650-093C-97
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US-08-859-998-748/C
is Gequence 748, Application US/08859998
is Patent No. 5994076
is GENERAL INFORMATION:
APPLICANT: Chenchik, Alex
APPLICANT: Bibliashvilli, Robert
ITILE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
ITILE OF INVENTION: EXPRESSION
INDMER OF SEQUENCES: 1375
CORRESPENDENCE ADDRESS:
ADDRESSE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
CITY: Menlo Park
                      ASSAYING DIFFERENTIAL
                                                                                                                                                                                                                                                                         CURRENT AFET. LEAGUE COMPUTER: IEM COMPACTED CORRUTER: TEM COMPACTED COPERATING SYSTEM: Windows95
SOFTWARE: FASEEGE for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/25,201B
FILING DATE: 05-Jan-1999
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US/08/859,998
FILING DATE: 21-MAY-1997
ATTORNAYAGENT INFORMATION:
NAME: Field, Bret E
REGISTRATION NUMBER: 37,620
REGISTRATION NUMBER: 37,620
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: oligonucleotide primer SEQUENCE DESCRIPTION: SEQ ID NO: 747:
                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
CITY: Menlo Park
STATE: CA
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  Bibilashvilli, Robert
                    TITLE OF INVENTION: METHOD OF A EXPRESSION
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TELEPAX: 415-854-0875
INFORMATION FOR SEQ ID NO: 747:
SEQUENCE CHARACTERISTICS:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
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                                                               NUMBER OF SEQUENCES: 1375
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Matches 26; Conservative
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MEDIUM TYPE: Diskette
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                         0; Indels
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                                                                                                                                                                                                              Sequence 747, Application US/09225928
Patent No. 6352829
GENERAL INFORMATION:
APPLICANT: Chenchik, Alex
Jokhadze, George
Bibliashvilli, Robert
TILE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              )
SEQUENCE DESCRIPTION: Oligonucleotide primer;
US-09-225-928-747
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/225,928
FILING DATE: 05-Jan-1999
CLASSIFICATION: <UNknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/859,998
FILING DATE: 21-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Field, Bret E.
REGISTRATION NUMBER: 37,620
REFERENCE/DOCKET NUMBER: 09096/002001
TELECOMMUNICATION:
TELECOMMUNICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
CITY: Menlo Park
Best Local Similarity 100.0%; Pred. No. 2.3; Matches 26; Conservative 0; Mismatches
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                                                               934 TGCGGATGAAGGACCAGTGTGACAAG 959
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US-09-225-201B-747
; Sequence 747, Application US/09225201B
; Patent No. 6489455
; GENERAL INFORMATION:
; APPLICANT: Chenchik, Alex
j APPLICANT: Chenchik, Alex
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
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INFORMATION FOR SEQ ID NO: 747:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: single
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COUNTRY: US
                                                                                                                                                                        RESULT 2
US-09-225-928-747
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Length 25;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AL INFORMATION:
APPLICANT: Chenchik, Alex
Jokhadze, George
Bibilashvilli, Robert
TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE DESCRIPTION: Oligonucleotide primer / SEQUENCE DESCRIPTION: SEQ ID NO: 748: US-09-225-201B-748
                                                                                                                                 ; SEQUENCE DESCRIPTION: Oligonucleotide primer; SEQUENCE DESCRIPTION: SEQ ID NO: 748:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
CITY: Menlo Park
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 1.5%; Score 25; DB 1;
Best Local Similarity 100.0%; Pred. No. 3;
Matches 25; Conservative 0; Mismatches
                                                                                                                                                                                                                                                           Score 25; DB 1;
Pred. No. 3;
                                                                                                                                                                                                                                                           Query Match 1.5%; Score 25; DB Best Local Similarity 100.0%; Pred. No. 3; Matches 25; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-225-201B-748/c; Sequence 748, Application US/09225201B Patent No. 6489455; GENERAL INFORMATION:
                          LENGTH: 25 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 25 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 1375
           SEQUENCE CHARACTERISTICS
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US-09-225-928-748/C
15.5equence 748, Application US/09225928
; Patent No. 6352829
; GENERAL INFORMATION
; JOKHAGZE, George
; APPLICANT: Chenchik, Alex
; JOKHAGZE, George
; Bibilashvilli, Robert
; TITLE OF INVENTION: EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 1; Length 25; 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
CORNUTER: IBM Compatible
CORNUTER: PASTEM: Windows95
SOFTWARE: FASTEM: Windows95
SOFTWARE: FASTEM: Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/225,928
FILING DATE: OS-Jan-1999
CLIASSIFICATION DATA:
APPLICATION NUMBER: 08/859,998
FILING DATE: 21-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Field, BAFE 31,620
REFERENCE/DOCKET NUMBER: 37,620
REFERENCE/DOCKET NUMBER: 37,620
SOFTWARE: FRAELSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/859,998
FILING DATE: 21-MAY-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
ATTORNEY/AGENT INFORMATION:
NAME: Field, Bret E.
REGISTRATION NUMBER: 37,620
REFERENCE/POCKET NUMBER: 09096/002001
TELEPHONE: 415-322-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
ADDRESSER: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
CITY: Menlo Park
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: oligonucleotide primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.0%; Pred. No. 3;
Matches 25; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1190 GTACTATCTGCGGGTCACCACGGTG 1214
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TELEFAX: 415-854-0875
INFORMATION FOR SEQ ID NO: 748:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-859-998-748
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APPLICANT: Strauss III, Jerome F.
TITLE OF INVENTION: IDENTIFICATION OF GENE MUTATIONS
TITLE OF INVENTION: ASSOCIATED WITH CONGENITAL LIPOID ADRENAL HYPERPLASIA
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
STRET: 5 Palo Alto
CITY: Palo Alto
STRET: CASTREE 
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Patent No. 638808
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
TILE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION UNDER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER 09 SEQ ID NOS: 90
SEQ ID NO 6
LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDLUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/410,540
FILING DATE: 23-MAR-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Neeley, Richard L.
REGISTRATION NUMBER: 30,092
REFERENCE/DOCKET NUMBER: UCAL-238/00US
TELECOMMUNICATION INFORMATION:
TELEFORMUM TABLES: 10.0002
TELEFORMUM TABLES: 10.0002
TELEFORMUM TABLES: 10.0002
TELEFORMUM TABLES: 10.0002
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Best Local Similarity 100.0%; Pred. No. 9.2;
Matches 21; Conservative 0; Mismatches
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100.0%; Pred. No. 9.2;
tive 0; Mismatches C
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NOLECULE TYPE: DNA (synthetic)
HYPOTHETICAL: NO
ANTI-SPNOT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA ORGANISM: Artificial Seguence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CTHER INFORMATION: PCR Probe US-09-659-791A-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: 415 857 0663
TELEX: 380816COOLEYPA
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 21 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.0
Matches 21; Conservative
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BERNELAL INFORMATION:

APPLICANT: Busan M. Freier

TITLE OP INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REFERENCE: RTS-0156

CURRENT FAPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE:

NUMBER OF SEQ ID NOS: 90
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Patent No. 6821724
GENERAL INFORMATION:
APPLICANT: David Mack
APPLICANT: David Mack
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 310.1
CURRENT APPLICATION NUMBER: US/09/396,196G
CURRENT FILING DATE: 1999-09-15
PRIOR FILING DATE: 1998-09-17
PRIOR FILING DATE: 1998-09-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 1.4%; Score 23; DB Best Local Similarity 100.0%; Pred. No. 5.4 Matches 23; Conservative 0; Mismatches
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92.0%; Pred. No. 10;
iive 0; Mismatches
       1190 GTACTATCTGCGGGTCACCACGGTG 1214
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 31760
LENGTH: 25
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Patent No. 5807678
GENERAL INFORMATION: Walter L.
APPLICANT: Miller, Walter L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  , OTHER INFORMATION: PCR Primer US-09-659-791A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 92.0
Matches 23; Conservative
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US-09-396-196G-31760
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-396-196G-31760
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US-08-410-540-21
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LENGTH: 23
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US-US-DS/-4/2-2422

Sequence 2422, Application US/09657472

Sequence 2422, Application US/09657472

Sequence 2422, Application US/09657472

Sequence 2422, Application US/09657472

SEPLICANT: Lander, Eric S.

APPLICANT: Lander, Eric S.

APPLICANT: Ireland, James S.

APPLICANT: Bolk, Stacey

APPLICANT: Bolk, Stacey

APPLICANT: McCarthy, Jeanette J.

TITE OF INVENTION: SINGLE NUCLEOTIDE POLYMORPHISMS IN GENES

FILE REFERENCE: 2825.1027-001

FILE REFERENCE: 2825.1027-001

CURRENT APPLICATION NUMBER: US 60/153,357

PRIOR FILING DATE: 2000-09-10

PRIOR FILING DATE: 2000-09-10

PRIOR FILING DATE: 2000-09-16

PRIOR PELICATION NUMBER: US 60/225,724

PRIOR PELICATION NUMBER: US 60/225,724

PRIOR PELING DATE: 2000-09-16

NUMBER OF SEQ ID NOS: 2551

SOFTWARE: FREESEQ for Windows Version 4.0

SEQ ID NO 2422

LENGTH: 212
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Best Local Similarity 95.2
Matches 20; Conservative
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US-09-657-472-2423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Homo sapiens
US-09-657-472-2422
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                                                                                                                                      GENERAL INFORMATION:
APPLICANT: Mills, Albert J. T.
APPLICANT: Mills, Albert J. T.
TITLE OF INVENTION: Compositions and Methods For Altering Cell Migration FILE REFERENCE: 0794.016A
CURRENT APPLICATION NUMBER: US/09/459,749D
CURRENT FILING DATE: 1999-12-10
NUMBER OF FILING DATE: 1998-12-11
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PATENTIN Ver. 2.1
SEQ ID NO 14
INDICTH: 21
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Cargill, Michele
APPLICANT: Cargill, Michele
APPLICANT: Ireland, James S.
APPLICANT: Bolk, Stacey
APPLICANT: Bolk, Stacey
GEORGE
TITLE OF INVENTION: SINGLE NUCLEOTIDE POLYMORPHISMS IN GENES
FILE REFRENCE: 2825.1027-001
CURRENT APPLICATION NUMBER: US/09/657,472
CURRENT FILING DATE: 2000-09-07
FRIOR FILING DATE: 1999-09-10
FRIOR FILING DATE: 1999-09-10
FRIOR FILING DATE: 2000-09-07
FRIOR APPLICATION NUMBER: US 60/125,724
FRIOR FILING DATE: 2000-08-16
NUMBER OF SEQ ID NOS: 2551
SEQ ID NO 2421
LENGTH: 21
LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 9.2;
Matches 21; Conservative 0; Mismatches 0; Indels
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Patent No. 6727063
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                                                                                                             Sequence 14, Application US/09459749D
Patent No. 6464975
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Best Local Similarity 95.2
Matches 20; Conservative
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ORGANISM: Homo sapiens
US-09-657-472-2421
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                                                                       RESULT 11
US-09-459-749D-14
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US-09-657-472-2423

US-09-657-472-2423

Sequence 2423, Application US/09657472

Patent No. 6727063

GENERAL INFORMATION:
APPLICANT: Lander, Eric S.
APPLICANT: Cargill, Michele
APPLICANT: Bolk, Stacey
APPLICANT: Bolk, Stacey
APPLICANT: Bolk, Stacey
APPLICANT: Bolk, Gracey
APPLICANT: McCarthy, Jeanette J.
TITLE OF INVENTION: SINGLE NUCLECTIDE POLYMORPHISMS IN GENES
FILE REFERENCE: 2825.1027-001
CURRENT APPLICATION NUMBER: US 60/153,357
PRIOR FILING DATE: 1999-09-10
PRIOR FILING DATE: 2000-09-07
PRIOR APPLICATION NUMBER: US 60/153,357
PRIOR FILING DATE: 2000-09-16
PRIOR APPLICATION NUMBER: US 60/220,947
PRIOR FILING DATE: 2000-09-16
PRIOR APPLICATION NUMBER: US 60/225,724
PRIOR FILING DATE: 2000-09-16
NUMBER OF SEQ ID NOS: 2551
SOFTWARE: FastSEQ for Windows Version 4.0
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1.3%; Score 20.6; D)
Best Local Similarity 95.2%; Pred. No. 11;
Matches 20; Conservative 1; Mismatches
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Query Match
Best Local Similarity 100...
Best Local Similarity 100...
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Matches 20; Conservative
                               US-09-659-791A-14/c
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                                                                                                                                             Sequence 2424, Application US/09657472

Sequence 2424, Application US/09657472

Parent No. 6727063

GENERAL INFORMATION:
APPLICANT: Lander, Eric S.
APPLICANT: Lander, Lander,
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Patent No. 6821724
GENERAL INFORMATION:
APPLICANT: Michael Mittmann
APPLICANT: David Mack
APPLICANT: David Mack
APPLICANT: David Mack
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196G
CURRENT FILING DATE: 1999-09-15
PRIOR FILING DATE: 1999-09-15
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: Fastered for Windows Version 4.0
SEQ ID NO 31758
LENGTH: 25
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Pred. No. 11
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Best Local Similarity 95.2
Matches 20; Conservative
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Best Local Similarity 88.0
Matches 22; Conservative
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CORGANISM: Homo sapiens
US-09-657-472-2424
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US-09-396-196G-31758
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Sequence 14, Application US/09659791A
Patent No. 6383808
GERERAL INFORMATION:
GERERAL INFORMATION:
GERERAL TON:
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION UNMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ 1D NOS: 90
SEQ 1D NO 14
LENGTH: 20
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| Sequence 15, Application US/09659791A
| Patent No. 6383808
| Patent No. 6383808
| GENERAL INFORMATION:
| APPLICANT: Brett P. Monia
| APPLICANT: Susan M. Freier
| TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
| FILE REFERENCE: RTG-0156
| CURRENT APPLICATION NUMBER: US/09/659,791A
| CURRENT PILING DATE: 2000-09-11
| SEQ ID NO 15
| SEQ ID NO 15
| LENGTH: 20
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TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RTS-0156
CURRENT APPLICATION UNDER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
LENGTH: 20
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100.0%; Pred. No. 12;
tive 0; Mismatches (
                                                                                                                                                                                                                                                                                                                                       ; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-15
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ORGANISM: Artificial Sequence
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122 GGTCTCAGACAATGAGCTCC 141
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Best Local Similarity 100.(
Matches 20; Conservative
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US-09-659-791A-20/c
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75-Sequence 17, Application US/09659791A
Factoric 17, Application US/09659791A
Factoric No. 6381808
GENERAL INFORMATION:
FAPPLICANT: Brett P. Monia
FILE REPERENCE: RTS-0156
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT APPLICATION NUMBER: 2000-09-11
SEQ ID NOS: 90
SEQ ID NOS: 90
LENGTH: 20
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                                                                                                   Query Match 1.2%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 12; Matches 20; Conservative 0; Mismatches 0; Indels
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                                        ; OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-16
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TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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ORGANISM: Artificial Sequence
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US-09-659-791A-21/C

Sequence 21, Application US/09659791A

Parent No. 6383808

GENERAL INFORMATION:

APPLICANT: Brett P. Monia

PAPLICANT: Brett P. Monia

PITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

PILE REPERENT APPLICATION NUMBER: US/09/659,791A

CURRENT PILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 21

LENGTH: 20

TYPE: DNA
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Fatent No. 6381808

GREEAL INFORMATION:

APPLICANT: Brett P. Monia

APPLICANT: Susan M. Freier

TITLE OF INVOINION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REFERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

LENGTH: 20
US-09-659-791A-19/C
; Sequence 19, Application US/09659791A
; Sequence 19, Application US/09659791A
; Patent No. 6383608
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Brett P. Monia
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/09/659,791A
; CURRENT FILING DATE: 2000-09-11
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 19
; LENGTH: 20
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
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100.0%; Pred. No. 12;
tive 0; Mismatches
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US-09-659-791A-26/c
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LENGTH: 20
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Sequence 22, Application US/09659791A

Patent No. 6381808

GENERAL INFORMATION:

APPLICANT: Brett P. Monia

APPLICANT: Susan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REFERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 22

LENGTH: 20
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APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
ITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RYS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 23
LENGTH: 20
                                                                                             DB 1; Length 20;
12;
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12;
                                     ; OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-21
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                                                                                           Query Match 1.2%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 12; Matches 20; Conservative 0; Mismatches
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1.2%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
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; Sequence 23, Application US/09659791A
; Patent No. 6383808
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ORGANISM: Artificial Sequence
ORGANISM: Artificial Sequence FEATURE:
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Gaps
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i Sequence 25, Application US/09659791A

i Sequence 25, Application US/09659791A

i Patent No. 6383808

i GENERAL INFORMATION:

i APPLICANT: Brett P. Monia

i APPLICANT: Brett P. Monia

i APPLICANT: Brett P. Monia

i TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

i TITLE REFERENCE: RTS-0156

i CURRENT APPLICATION NUMBER: US/09/659,791A

i NUMBER OF SEQ ID NOS: 90

i SEQ ID NO 25

i LENGTH: 20
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Patent No. 6383808
GENERAL INFORMATION:
APPLICANT: Breat P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 26
LENGTH: 20
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                                                                         APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freiter
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
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Sequence 24, Application US/09659791A Patent No. 6383808 GENERAL INFORMATION:
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Best Local Similarity 100.0
Matches 20; Conservative
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Best Local Similarity
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RESULT 27

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RESULT 34
US-09-659-791A-31/c
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; Sequence 28, Application US/09659791A
; Sequence 28, Application US/09659791A
; Patent No. 6383808
; GENERAL INDOFMATION:
; APPLICANT: Breat P. Monia
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; TITLE OF INVENTION NUMBER: US/09/659,791A
; CURRENT FILING DATE: 2000-09-11
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 28
; LENGTH: 20
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APPLICANT: Brett P. Monia
APPLICANT: Sugan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RIS-0116
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 27
LENGTH: 20
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indele
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0
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; OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-27
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-26
                                                                                                                                                                                                                                                                             RESULT 30
US-00-559-791A-27/c
Sequence 27, Application US/09659791A
; Patent No. 6383808
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US-09-659-791A-29/C
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Sequence 29, Application US/09659791A
Patent No. 6383808
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERBNICS: RTS-0156
CURRENT APPLICATION UNIMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
SEQ ID NO. 29
LENGTH: 20
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//Sequence 30, Application US/09659791A

//Sequence 30, Application US/09659791A

//Sequence 30, Application US/09659791A

//Sequence 30, Application US/09659791A

//Septing Application William Antisense Modulation of CLUSTERIN EXPRESSION

//FILE REPREBENCE: RTS-0156

//CURRENT APPLICATION NUMBER: US/09/659,791A

//CURRENT FILING DATE: 2000-09-11

//SEQ ID NOS: 90

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//SEMPLE 2000-09-11
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12;
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: Antisense Oligonucleotide
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ORGANISM: Artificial Sequence
FEATURE:
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ORGANISM: Artificial Sequence
FEATURE:
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ORGANISM: Artificial Sequence
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Patent No. 6383808
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US-09-659-791A-33/C
; Sequence 33, Application US/09659791A
; Patent No. 638380B
; GENERAL INFORMATION;
; APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REPRENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/09/659,791A
; CURRENT FILING DATE: 2000-09-11
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 33
; LENGTH: 20
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APPLICANT: Brett P. Monia
APPLICANT: Susan M. Preier
TILLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
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                                                                      Query Match 1.2%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 12; Matches 20; Conservative 0; Mismatches 0; Indels
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; OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-31
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US-09-659-791A-32
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US-09-659-791A-33
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US-09-659-791A-32/c
Sequence 32, Application US/09659791A
; Patent No. 6383808
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US-09-659-791A-34/c
; Sequence 34, Application US/09659791A
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ORGANISM: Artificial Sequence
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US-09-659-791A-36/C

Sequence 16, Application US/09659791A

Patent No. 6383808

GENERAL INFORMATION:

APPLICANT: Brett P. Monia

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

TITLE REPERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT PILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 36

LENGTH: 20
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Patent No. 6383808
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Breat P. Monia
APPLICANT: Susan M. Freder
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 35
LENGTH: 20
GENERAL INFORMATION:
APPLICANT: Bretter P. Monia
APPLICANT: Bretter P. Monia
APPLICANT: SUBBRIC P. Frester
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT APPLICATION NUMBER: 2000-09-11
SEQ ID NOS: 90
LENGTH: 20
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100.0%; Pred. No. 12;
tive 0; Mismatches
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                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-34
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.0
Matches 20, Conservative
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FEATURE:
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US-09-659-791A-37/c
iSequence 37, Application US/09659791A
sequence 37, Application US/09659791A
sequence 37, Application US/09659791A
sequence No. 6383808
sequence No. 637
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; Sequence 38, Application US/09659791A
; Patent No. 638368
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Brett F. Monia
; TILLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION WUMBER: US/09/659,791A
; CURRENT FILING DATE: 2000-09-11
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 38
; LENGTH: 20
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                                Score 20; DB 1; Length 20;
Pred. No. 12;
                                                                        0; Indels
                         1.2%; bcc.
100.0%; Pred. No. --.
0; Mismatches
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US-09-659-791A-39/c
; Sequence 39, Application US/09659791A
; Patent No. 6383808
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                                                                                                                   492 CCCTTCTACTTCTGGATGAA 511
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                                                         Best Local Similarity 100.
Matches 20; Conservative
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Best Local Similarity
Matches 20; Conserv
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US-09-659-791A-36
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                                          Query Match
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Patent No. 638808
GENERAL INFORMATION:
PAPLICANT: Brete P. Monia
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE OF INVENTION: ANTISENSE NOOULATION OF CLUSTERIN EXPRESSION
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
SEQ ID NO 41
LENGTH: 20
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Sequence 40, Application US/09659791A

Patent No. 633808

GENERAL INFORMATION:
PAPPLICANT: Sueet P. Monia
APPLICANT: Suean M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPRENCE: RTS-0156
CURRENT APPLICATION UMBER: US/09/659,791A

CURRENT APPLICATION UMBER: US/09/659,791A

CURRENT PILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 40

LENGTH: 20
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GENERAL INFORMATION:

APPLICANT: Brett P. Monia
APPLICANT: Brett P. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
CURRENT APPLICATION WUMBER: US/09/659, 791A
CURRENT APPLICATION UNBER: 2000-09-11
NUMBER OF SEQ ID NOS: 90
LENGTH: 20
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12;
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels
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; OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-41
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1.2%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                  TYPE: DNA ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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TYPE: DNA
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                                                                                                                                                           RESULT 45
US-059-791A-42/C
; Sequence 42, Application US/09659791A
; Patent No. 6383808
; GRNERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Brett P. Monia
; TILLE OF INVENTION ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REPRENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/09/659,791A
; CURRENT PILING DATE: 2000-09-11
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 42
LENGTH: 20
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Sequence 43, Application US/09659791A

Sequence 43, Application US/09659791A

Patent No. 6383008

GENERAL INFORMATION:

APPLICANT: Brett P. Monia

APPLICANT: Susan M. Freier

TILLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REPERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

SEQ ID NO 43

LENGTH: 20
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DB 1; Length 20;
12;
                                      0; Indels
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Query Match 1.2%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 12; Matches 20; Conservative 0; Mismatches
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US-09-659-791A-44/c
; Sequence 44, Application US/09659791A
; Patent No. 6383808
; GENERAL INFORMATION:
                                                                             565 TGGATGTCATGCAGGACCAC 584
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| Sequence 45, Application US/09659791A
| Sequence 46, Application US/09659791A
| Patent No. 613808
| GENERAL INFORMATION:
| APPLICANT: Brett P. Monia
| APPLICANT: Brett P. Monia
| TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
| FILE REPRESENCE: FTS-0156
| CURRENT APPLICATION UNBER: US/09/659,791A
| CURRENT PILING DATE: 2000-09-11
| NUMBER OF SEQ ID NOS: 90
| SEQ ID NO 45
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APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION UNBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
LENGTH: 20
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Sequence 46, Application US/09659791A

Sequence 46, Application US/09659791A

Patent No. 6383808

GENERAL INFORMATION:

JAPLICANT: Breat P. Monia

APPLICANT: Susan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REFERENCE: RTG-0156

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

SEQ ID NO 46

LENGTH: 20
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                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-44
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Gaps

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Length 20; 0; Indels

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US-09-69-791A-51/c

18-09-69-791A-51/c

18-09-69-69-191A-51/c

18-09-69-69-191A-51/c

18-09-69-191A-51/c

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US-09-659-791A-50/c
US-09-659-791A-50/c
Sequence 50, Application US/09659791A
Sequence 50, Application US/09659791A
Sequence 50, Application US/09659791A
SEMENTAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: SHEAN M. Freier
TITLE OF INVENTION: ANTIGENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE OF INVENTION NUMBER: US/09/659,791A
CURRENT PILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 50
LENGTH: 20
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILLING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 49
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ilarity 100.0%; Pred. No. 12;
Conservative 0; Mismatches
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
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COTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-50
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                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Artificial Sequence
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Matches 20; Conserv
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US-09-659-791A-48/C

i Sequence 48, Application US/09659791A

i Sequence 48, Application US/09659791A

i Patent No. 6383808

i GENERAL INFORMATION:

i APPLICANT: Brett P. Monia

i APPLICANT: Susan M. Freier

i TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

i TITLE OF INVENTION: ANTISENSE WOOULATION OF CLUSTERIN EXPRESSION

FILE REFERENCE: RTS-0156

i CURRENT PILING DATE: 2000-09-11

i NUMBER OF SEQ ID NOS: 90

i SEQ ID NO 48

i LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 47
LENGTH: 20
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                    Length 20;
                                                                                        0; Indels
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
                              DB 1;
12;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; OTHER INFORMATION: AntiBense Oligonucleotide US-09-659-791A-47
                           Query Match 1.2%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 12; Matches 20; Conservative 0; Mismatches
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; Sequence 49, Application US/09659791A
; Patent No. 6383808
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
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                                                                                                                                                                                                                                                                                                                                RESULT 50
US-09-659-791A-47/c
US-09-659-791A-47/c
; Sequence 47, Application US/09659791A
; Patent No. 6383808
; GENERAL INFORMATION:
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                                                                                                                                                                   CTTTCC 709
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 20; Conservative
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Length 20; Indels Length 20;

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893 GACTGTGTGCCGGGAGATCC 912
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                                                                                                                                                                                                                                                                                                                                                                      20 GACTGTGTCCGGGAGATCC 1
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                                                                                                                                           TYPE: DNA ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Matches 20; Conserv
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US-09-659-791A-55/c
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US-09-659-791A-531/c
1 Sequence 53, Application US/09659791A
1 Sequence 53, Application US/09659791A
1 Sequence 53, Application US/09659791A
1 Patent No. 63808
1 GENERAL INFORMATION:
1 APPLICANT: Breat P. Monia
2 APPLICANT: Breat P. Freier
2 TILE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
3 CURRENT APPLICATION NUMBER: US/09/659,791A
3 CURRENT FILING DATE: 2000-09-11
4 NUMBER OF SEQ ID NOS: 90
                                                                                                                                                                                       Sequence 52, Application US/09659791A
Patent No. 6383808
BRENAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Breat F. Monia
APPLICANT: Busan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RTS-0156
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
LENGTH: 20
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    Pred. No. 12;
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US-09-659-791A-53
Best Local Similarity 100.0%; Pred. No. 12, Matches 20; Conservative 0; Mismatches
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; Sequence 54, Application US/09659791A
; Patent No. 6383808
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Freier
                                                            820 TGGACATCCACTTCCACAGC 839
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                                                                                             20 TGGACATCCACTTCCAGG 1
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ORGANISM: Artificial Seguence
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Matches 20; Conservative
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US-09-659-791A-52/c
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LENGTH: 20
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Patent No. 6383808
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Street P. Monia
APPLICANT: STREET S. STREET 
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Batent No. 6383808

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL STATE F. Monia
APPLICANT: Brett F. Monia
APPLICANT: Susan M. Freier
TILLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ 1D NOS: 90
SEQ 1D NO 56
LENGTH: 20
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TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 54
LENGTH: 20
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100.0%; Pred. No. 12;
tive 0; Mismatches
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100.0%; Pred. No. 12;
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, OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-54
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Gaps

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US-09-659-791A-61/C
; Sequence 61, Application US/09659791A
; Sequence 61, Application US/09659791A
; Patent No. 6383808
; GENERAL INFORMATION:
; APPLICANT: Busen P. Monia
; APPLICANT: Busen M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; TITLE OF INVENTION: ANTISENSE: US/09/659,791A
; CURRENT APPLICATION NUMBER: US/09/659,791A
; CURRENT FILING DATE: 2000-09-11
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 61
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APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILS REFRENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
LENGTH: 20
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100.0%; Pred. No. 12;
iive 0; Mismatches (
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12;
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, OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-59
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1.2%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
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1.2%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 59
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
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; Sequence 60, Application US/09659791A
; Patent No. 6383808
; GENERAL INFORMATION:
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Best Local Similarity
Matches 20; Conserve
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Sequence 57, Application US/09659791A

Sequence 57, Application US/09659791A

Patent No. 6333808

GENERAL INFORMATION:
APPLICANT: Busan M. Freier

APPLICANT: Susan M. Freier

TITLE OF INVENTION: ANTIENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RTE-0156

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 57

LENGTH: 20
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US-09-659-791A-58/C

18-09-659-791A-58/C

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18-09-659-791A-58/C

18-09-659-791A-58/C

18-09-659-791A-58/C

18-09-69-791A-59/C

18-09-69-791A-59/C

18-09-69-791A-59/C

18-09-69-791A-59/C

18-09-69-791A-59/C

18-09-69-791A-59/C

18-09-69-79/C

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Fatent No. 6383808
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
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100.0%; Pred. No. 12;
tive 0; Mismatches 0; Indels
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                          0; Mismatches
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                                                                                     906 GAGATCCGCCACAACTCCAC 925
                                                                                                                                                20 GAGATCCGCCACACTCCAC 1
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Matches 20; Conservative
                          20; Conservative
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US-09-659-791A-59/c
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                             Matches
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CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 64
LENGTH: 20
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LENGTH: 20
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Sequence 62, Application US/09659791A

Sequence 62, Application US/09659791A

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Sequence 62, Application US/09659791A

SEQUENCE OF INVENTION OF SEQUENCE OF SEQUENCE
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1.2%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
                                                                  1083 AAGTCCTACCAGTGGAAGAT 1102
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ORGANISM: Artificial Sequence
PEATURE:
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LENGTH: 20
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Sequence 66, Application US/09659791A

Patent No. 6383808

GENERAL INFORMATION:

APPLICANT: Brett P. Monia

APPLICANT: Brett P. Monia

APPLICANT: Brett P. Monia

APPLICANT: Susan M. Freier

TITLE OF INVENTION ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REFERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 66

LENGTH: 20
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APPLICANT: Brett P. Monia
APPLICANT: Brett P. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                       Length 20;
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TYPE: DNA
ORGANISM: Artificial Sequence
SEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 i OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-65
                                                                                                                                                    Query Match 1.2%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 12; Matches 20; Conservative 0; Mismatches
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ORGANISM: Artificial Sequence
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US-09-659-791A-71/C

Sequence 71, Application US/09659791A

Sequence 71, Application US/09659791A

Parent No. 6383808

GENERAL INFORMATION:

APPLICANT: Brett P. Monia

APPLICANT: Susan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REPREMENT APPLICATION NUMBER: US/09/659,791A

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 71

LENGTH: 20
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Fatent No. 6383808
GENERAL INFORMATION:
APPLICANT: Breat P. Monia
TITLE OF INVENTION:
FILE REFERENCE: RT-015
FILE REFERENCE: RT-015
CURRENT FILING DATE: 2000-09-11
SEQ ID NO 70
LENGTH: 20
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tive 0; Mismatches
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, OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-70
                                                                                                                                                ; OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-69
                                                                                                                                                                                                           Query Match 1.2%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 12; Matches 20; Conservative 0; Mismatches
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ORGANISM: Artificial Sequence
                                                                                 TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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Best Local Similarity 100.0
Matches 20; Conservative
CURRENT FILING DATE:
NUMBER OF SEQ ID NOS:
SEQ ID NO 69
LENGTH: 20
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US-09-659-791A-70/c
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US-09-68-05
US-09-68-06, Application US/09659791A
) Sequence 68, Application US/09659791A
) Retent No. 6383808
) REVELL INFORMATION:
) APPLICANT: Breat P. Monia
) APPLICANT: Susan M. Freier
) TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
) TITLE OF INVENTION NUMBER: US/09/659,791A
) CURRENT APPLICATION NUMBER: US/09/659,791A
) NUMBER OF SEQ ID NOS: 90
) SEQ ID NO 68

LENGTH: 20
                                                                                                            RESULT 70
US-09-659-791A-67/c
US-09-659-791A-67/c
Sequence 67, Application US/09659791A
Facent No. 638308
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFREENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 67
LENGTH: 20
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Sequence 69, Application US/09659791A

Patent No. 6383808

GRNERAL INFORMATION:

APPLICANT: Brett P. Monia

APPLICANT: Brett P. Monia

APPLICANT: Susan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REFERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/09/659,791A
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12;
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      1182 GAAGACCAGTACTATCTGCG 1201
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                                              20 gaagaccagracrarcrace 1
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 72
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APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT FILING NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
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Sequence 78 Application US/09659791A

Sequence 78 Application US/09659791A

GENERAL INFORMATION:
APPLICANT: Breat P. Monia
APPLICANT: Susan M. Fraist
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 78

LENGTH: 20
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12;
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                                                                                                               ; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-75
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                                                                TYPE: DNA
ORGANISM: Artificial Sequence
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NUMBER OF SEQ ID NOS: 90
SEQ ID NO 74
LENGTH: 20
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                                                                              US-09-659-791A-72/C

US-09-659-791A-72/C

Sequence 72, Application US/09659791A

Patent No. 6383808

GENERAL INFORMATION:
APPLICANT: Susan W. Freler
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 72

LENGTH: 20
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; Sequence 73, Application US/09659791A
; Sequence 73, Application US/09659791A
; Patent No. 639808
; GRNERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/09/659,791A
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 73
; LENGTH: 20
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Sequence 74, Application US/09659791A

Sequence 74, Application US/09659791A

PARTENT NO. 6383808

GENERAL NO. 6383808

TITLE OF INVENTION: AND FREIGHT

TITLE OF INVENTION: AND SERVESSION

TITLE OF INVENTION: AND SERVESSION

TITLE OF INVENTION: AND SERVESSION

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11
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12;
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US-09-659-791A-73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 1.2%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 12; Matches 20; Conservative 0; Mismatches
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  20 AAATTTATGGAGACCGTGGC 1
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                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
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Sequence 22, Application US/08410540

Sequence 22, Application US/08410540

Sequence 22, Application US/08410540

GENERAL INFORMATION:
APPLICANT: Miller, Walter L.
APPLICANT: Strauss III, Jerome F.
TITLE OF INVENTION: ASSOCIATED WITH CONGENITAL LIPOID ADRENAL HYPERPLASIA TITLE OF INVENTION: ASSOCIATED WITH CONGENITAL LIPOID ADRENCES: 30

CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
STREET: 5 Palo Alto
CITY: Palo Alto
CITY: Palo Alto
CITY: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1; Length 22;
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
ADDRESSEE: P.C.
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
CITY: ARLINGTON
STATE: VA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPREY: US
ZIP: 94306-2155
ZIP: 94306-2155
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/410,540
FILING DATE: 23-MAR-1995
                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPENATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
1.1%; Score 18.8; D
Best Local Similarity 90.9%; Pred. No. 23;
Matches 20; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

PRELICATION NUMBER: US/08/855,449

FILING DATE: 13-MAY-1997

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

PAPLICATION DATA:

PAPLICATION DATA:

PAPLICATION NUMBER: UP 119124/1996

FILING DATE: 14-MAY-1996

ATTORNEY/AGENT INFORMATION:

REGISTRATION NUMBER: 24,618

REFERENCE/DOCKET NUMBER: 7828-0003-0

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

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TELECOMMUNICATION INFORMATION:
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STRANDEDNESS: single
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Millis, Albert J. T.
TITLE OF INVENTION: Compositions and Methods For Altering Cell Migration FILE REFERENCE: 0794.016A
CURRENT APPLICATION NUMBER: US/09/459,749D
CURRENT FILING DATE: 1999-12-10
PRIOR APPLICATION NUMBER: 60/111,856
PRIOR APPLICATION NUMBER: 60/111,856
NUMBER OF SEQ ID NOS: 17
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ) OTHER INFORMATION: Description of Artificial Sequence:primer bind; OTHER INFORMATION: synthetic antisense primer based on murine clusterin US-09-459-749D-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                    US-00-659-791A-80/C

US-00-659-791A-80/C

Sequence 80, Application US/09659791A

Patent No. 6383808

GENERAL INFORMATION:

APPLICANT: Brett P. Monia

APPLICANT: SUBERT M. Freier

TITLE OF INVERTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

TITLE REFERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 80

LENGTH: 20
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1.2%; Score 19.4; DB 1; Length 21;
Best Local Similarity 95.2%; Pred. No. 17;
Matches 20; Conservative 0; Mismatches 1; Indels
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Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels
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Sequence 10, Application US/08855449

Patent No. 591041-2

GENERAL INFORMATION:
APPLICANT: AVAMATSU, TOYOKAZU
APPLICANT: SUZUKI, TRAKAO
TITLE OF INVENTION: METHOD FOR IDENTIFYING THE SEX OF
TITLE OF INVENTION: SPINACH BY DNA MARKERS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ) OTHER INFORMATION: Antisense Oligonuclectide US-09-659-791A-80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-459-749D-13; Sequence 13, Application US/09459749D; Patent No. 6464975
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                271 AAGAAGCCAAGAAGAAAG 291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1383 CACCGGGAGGAGTGAGATGT 1402
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 AGGAAGCCAAGAAGAAAG 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20 caccedeaceaercadarer 1
                           20 TGGACTGTTCCACCAACAAC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 13
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 82
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RESULT to US-093C-43/c
US-08-550-093C-43/c
| Sequence 43, Application US/08650093C
| Patent No. 6391542
| Patent No. 6391542|
| GENERAL INFORMATION:
| GENERAL THORMATION:
| TITLE OF INVENTION: Compositions And Methods For Treatment
| Hepatitis C Virus-Associated Diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MD STORAGE
COMPUTER: IBM COMPALIBLE
CORREATING SYSTEM: Windows 95
SOFTWARE: WORDERFECT 6.1 for Windows
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/650,093C
FILING DATE: 17 May-1996
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 20;
TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2; Indels
                         COMPUTER: 1BM 486
OPERATIOR SYSTEM: WINDOWS FOR WORKGROUPS
SOFTWARE: WORDERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/397,220B
FILING DATE: 09-Mar-1995
CLASSIFICATION: vUnknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 1;
                                                                                                                                                                             PRIOR APPLICATION NUMBER: PCT/JP93/01293
APPLICATION NUMBER: PCT/JP93/01293
FILING DATE: 10-Sep-93
APPLICATION NUMBER: JP 5-87195
FILING DATE: 14-Apr-93
APPLICATION NUMBER: 07/945,289
FILING DATE: 10-Sep-92
ATTORNEY/AGENT INFORMATION:
NAME: Jane Massey Licata
REGISTRATION NUMBER: 32,257
REFERENCE/DOCKET NUMBER: 1SPH-0031
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 118
CORRESPONDENCE ADDRESS:
ADDRESSEE: LICATA & TYRRELL P.C.
STREET: 66 E. Main Street
CITY: Marlton
STATE: NJ
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1.0%; Score 16.8; D
90.0%; Pred. No. 39;
tive 0; Mismatches
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US-08-397-220B-43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 08/452,841
FILING DATE: May 30, 1995
APPLICATION NUMBER: 08/397,220
FILING DATE: March 9, 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE: (609) 779-2400
TELEFAX: (609) 779-2408
INFORMATION FOR SEQ ID NO: 43:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1510 GCCTCCAGGCCCCCAACTCC 1529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 90.0°
Matches 18; Conservative
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US-08-397-220B-43/C
; Sequence 43, Application US/08397220B
; Patent No. 6284458
; GENERAL INFORMATION:
; APPLICANT: Anderson et al.
; TITLE OF INVENTION: Compositions And Methods For Treatment
Of Hepatitis C Virus-Associated Diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 4.7 Application US/09659791A
Patent No. 6383808
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Brett F. Monia
APPLICANT: Suean M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: TS-0156
CURRENT APPLICATION VMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
LENGTH: 18
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1.1%; Score 18; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 18; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                Length 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
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ADDRESSE: Jane Massey Licata, Esq.
STREET: 210 Lake Drive East, Suite 201
CITY: Cherry Hill
STATE: NJ
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                           1.1%; Score 18; DB 100.0%; Pred. No. 20; ative 0; Mismatches
                                                  UCAL-238/00US
    NAME: Neeley, Richard L.
REGISTRAION UNDBER: 30,092.
REFERENCE/DOCKET NUMBER: UCAL.
TELECOMMUNICATION INFORMATION:
TELEFONE: 415 853 5070
TELEFAX: 415 857 0663
TELEFAX: 380816COOLEYPA
INFORMATION FOR SEQ ID NO: 22:
SEQUIENCE CHARACTERISTICS:
LENGTH: 18 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1475 GAGAGCTCTGCACGTCAC 1492
                                                                                                                                                                                                                                                                                              MOLECULE TYPE: DNA (synthetic) HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           746 TCCGTACGAGCCCCTGAA 763
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: PCR Primer US-09-659-791A-4
                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 100.
Matches 18; Conservative
                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                     linear
                                                                                                                                                                                                                                                                                                                                          ; ANTI-SENSE: NO
US-08-410-540-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -09-659-791A-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
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Best Local Similarity 100.0%; Pred. No. 32;
Matches 16; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 97, Application US/09038369B
| Patent No. 6171784
| CENERAL INFORMATION:
| APPLICANT: MAERTENS, GEERT; STUTVER, LIEVEN;
| APPLICANT: ROSSAU, RUDI, VAN HEUVERSWIN, HUGO
| TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
| TITLE OF INVENTION: ISOLATES
| NUMBER OF SEQUENCES: 97
| CORRESPONDENCE ADDRESS:
                                                                                                                             ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER: READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
COMPUTER: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/038,369B
                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1508 CAGCCTCCAGGCCCCC 1523
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         linear
NEW YORK
NEW YORK
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MOLECULE TYPE: CE
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US-08-256-568B-97
                                   USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-038-369B-97/c
                                                    10016
CITY: NEW
STATE: NE
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ద
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Sequence 37, Application US/10023649A
Sequence 37, Application US/10023649A
Sequence 37, Application US/10023649A
Fatent No. 6800289
GENERAL INFORMATION
FATEURANT: Wong, Jonathan P.
TITLE OF INVENTION: A STRAIN OF THE WESTERN EQUINE ENCEPHALITIS VIRUS (AS AMENDED)
TITLE OF INVENTION: NUMBER: US/10/023,649A
CURRENT FILING DATE: 2000-12-21
CURRENT FILING DATE: 2000-12-21
NUMBER OF SEQ 1D NOS: 49
SEQ THANE: PatentIn version 3.1
SEQ 1D NO 37
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                   2; Indels
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Sequence 97, Application US/08256568B

Patent No. 5846704

GENERAL INFORMATION:
APPLICANT: MAERTENS, GERT; STUTVER, LIEVEN;
APPLICANT: ROSSAU, RUDI: VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: ISOLATES
NUMBER OF SEQUENCES: 97

CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
STREET: 600 THIRD AVENUE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
1.0%; Score 16.8; D
Best Local Similarity 90.0%; Pred. No. 39;
Matches 18; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                Query Match
1.0%; Score 16.8; D
Best Local Similarity 90.0%; Pred. No. 39;
Matches 18; Conservative 0; Mismatches
   APPLICATION NUMBER: 07/945,289
FILING DATE: September 10, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Jane Massey Licata
REGISTRATION NUMBER: 32,257
REFERENCE/DOCKET NUMBER: ISPH-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (609) 779-8488
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CIRRACTERISTICS:
LENGTH: 20
                                                                                                                                                                                                                                                                        ANTI-SENSE: Yee
SEQUENCE DESCRIPTION: SEQ ID NO: 43:
US-08-650-093C-43
                                                                                                                                                                                                                                                                                                                                                                                                                         1510 GCCTCCAGGCCCCCAACTCC 1529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 524 CGACTCCTGCTGGAGACG 543
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                                                                                                                                                                                                                         TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CTHER INFORMATION: DNA Primer US-10-023-649A-37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: MAERIENS, GEERT; STUTVER, LIEVEN;
ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER TEACHER
COMPUTER: FLORDY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION NUMBER: US/09/899, 044
FILING DATE: 06-Jul-2001
CLASSIFICATION NUMBER: US/09/899, 044
FILING DATE: 06-Jul-2001
CLASSIFICATION DATA:
APPLICATION NUMBER: PCI/EP93/03325
FILING DATE: 4CINACOMANA
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 19,683
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
PRIOR DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 410.004
TELECOMMUNICATION INFORMATION:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.0%; but
100.0%; Pre
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (212) 661-8002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1508 CAGCCTCCAGGCCCCC 1523
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COMPUTER READABLE FORM:
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Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: sing
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: CDNA HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-899-044-97/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; ANTI-SENSE:
US-09-378-900A-97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
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APPLICANT: MARTENS, GERRT; STUTVER, LIEVEN;
APPLICANT: ROSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: ISOLATES
TITLE OF INVENTION: ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: GOO THIRD AVENUE
CITY: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER: LISH PC COMPATIBLE
MEDIUM TYPE: Floppy disk
COMPUTER: ISH PC COMPATIBLE
                         FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

PRIOR APPLICATION NUMBER: 08/256,568

FILING DATE: 18-JUL-1994

APPLICATION NUMBER: PCT/EP93/03125

PILING DATE: 26-NOV-1993

PRIOR APPLICATION DATA: PCT/EP93/03125

PRIOR APPLICATION DATA: PCT/EP93/03125

PRIOR APPLICATION DATA: PCT/EP93/03125

PRIOR APPLICATION DATA: PCT/EP93/03/222.0

PRIOR APPLICATION NUMBER: EF/92/403,222.0

PRIOR APPLICATION NUMBER: 19,683

APPLICATION NUMBER: 19,683

REGISTRATION NUMBER: 19,683

REGISTRATION NUMBER: 19,683

TELEPHONE: (212) 661-8002

TELEPHONE: (212) 661-8002

INFORMATION FOR SEQ ID NO: 97:

SEQUENCE CHARACTERISTICS:

LENGTH: 16 base pairs

LENGTH: 16 base pairs

TYPE: nucleic acid

STRANBEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 1.0%; Score 16; DB Best Local Similarity 100.0%; Pred. No. 32; Matches 16; Conservative 0; Mismatches
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APPLICATION NUMBER: EP/93/402,129.6
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOPTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/378,900A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-378-900A-97/c
; Sequence 97, Application US/09378900A
; Patent No. 6495670
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US-09-038-369B-97
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APPLICANT: Drager, Kenneth G.
APPLICANT: Pavco, Pamela
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: Stinchcomb, Dan T.
TITLE OF INVENTION: METHOD AND REAGENT FOR TREATMENT
TITLE OF INVENTION: OF APTHRITIC CONDITIONS
NUMBER OF SEQUENCES: 1151
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon
STREET: Suite 4700
STREET: Suite 4700
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The complete sequence of
dystrophin predicts a rod-shaped cytoskeletal
AUTHORS: Koenig, M, Hoffman, E P, Bertelson, C J, AUTHORS: Monaco, A P, Feener, C, Kunkel, L M.
TITLE: Complete cloning of the
TITLE: Duchenne muscular dystrophy (DMD) cDNA and
TITLE: preliminary genomic organization of the DMD
TITLE: gene in normal and affected individuals
JOURNAL: Cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                AUTHORS: Hoffman, B P, Monaco, A P, Feener, C C, AUTHORS: Kunkel, L M.
TITLE: Conservation of the Duchenne muscular dystrophy gene in mice and humans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DATE: 1988
RELEVANT RESIDUES IN SEQ ID NO: 37 :FROM 1 TO 17
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1.0%; Score 16; DB
Best Local Similarity 100.0%; Pred. No. 37;
Matches 16; Conservative 0; Mismatches
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ZIF: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3 torage
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/390,850
TITING DATE: REBURARY 17, 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICALL...
FILING DATE: Februar,
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/354,920
APPLICATION NUMBER: 08/152,487
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CITY: Los Angeles
SIATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 JOURNAL: Cell
VOLUME: 53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Science
                                                                                                                                                                                                                                                                                                                  VOLUME: 50
PAGES: 509-517
DATE: 1987
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PAGES: 347-350
DATE: 1987
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE:
TITLE:
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APPLICANT: WANG, C. -G.
APPLICANT: HEPBURN, A. G.
TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
NUMBER OF SEQUENCES: 365
CORRESPONDENCE ADDRESS:
ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
STREET: 510 EAST 73RD STREET,
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1.0%; Score 16; DB 1; Length 16;
100.0%; Pred. No. 32;
tive 0; Mismatches 0; Indels
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DESCRIPTION: dystrophin gene (Accession # M18533,
DESCRIPTION: M17154, M18026) nucleotides 5967 to 5983
HYPOTHETICAL: No
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CONFUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44Mb storage
COMPUTER: 1BM PC/XI/AT
COMPUT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 07/968,436
FILING DATE: 29 OCT 1992
ATTORNEY/AGENT INFORMATION:
NAME: Handelman, Joseph H.
REGISTRATION NUMBER: 26,179
REFERENCE/COCKET NUM
                                                                                                                                                                                                                                                                                                                               ; ANTI-SENSE: YES
; SEQUENCE DESCRIPTION: SEQ ID NO: 97:
US-09-899-044-97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     POSITION IN GENOME:
CHROMOSOME/SEGMENT: X-chromosome
MAP POSITION: Xp21.3-p21.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 37, Application US/08173489C Patent No. 5861244
                               SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1508 CAGCCTCCAGGCCCCC 1523
INFORMATION FOR SEQ ID NO: 97:
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Best Local Similarity 100.0
Matches 16; Conservative
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ORIGINAL SOURCE:
ORGANISM: HOMO
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APPLICANT: CHEN, Wanchandy
APPLICANT: SHANNON, MAKE
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AECONICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT PILING DATE: 2001-05-25
RRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2001-01-30
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4.1%; Pred. No. 46;
ve 0; Mismatches
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Pred. No. 46
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Patent No. 6686188
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TELEPHONE: (213) 489-1600
TELEFRAX: (213) 955-0440
TELEX: 67-3510
INPORMATION FOR SEG ID NO: 535
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             17 AAGAACAGAATTTCTCC 1
                                                                                                                                                                                                                                                                                                                                                 Query Match

Best Local Similarity 94.1%;
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: PENN, CAPLICANT: RANKEL, David K.
APPLICANT: RANK, David K.
APPLICANT: CHEN, Wensheng
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 0.9%;
Best Local Similarity 94.1%;
Matches 16; Conservative
                                                                                                                       SEQUENCE CHARACTERISTICS
LENGTH: 17 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                             single
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CORGANISM: Homo sapiens
US-09-866-108A-8666
                                                                                                                                                                                                                                                           linear
                                                                                                                                                                                            ; TYPE: nucleic; STRANDEDNESS: ; TOPOLOGY: lin US-08-435-634-535
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APPLICANT: Draper, Kenneth G.
APPLICANT: Draper, Kenneth G.
APPLICANT: Draper, James
APPLICANT: McSwiggen, James
APPLICANT: Gustofson, John
TITLE OF INVENTION: OF ARTHRITIC CONDITIONS
NUMBER OF SEQUENCES: 1151
CORRESPONDENCE ADDRESS:
ADDRESSEB: Lyon & Lyon
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER: READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: STORESON OF STORES
COMPUTER: Descape
COMPUTER: Descape: 13, 1995
APPLICATION NUMBER: 08/354,920
FILING DATE: December 13, 1994
APPLICATION NUMBER: 08/354,920
FILING DATE: December 7, 1992
APPLICATION NUMBER: 08/354,920
FILING DATE: No. 5731295ember 12, 1993
APPLICATION NUMBER: 08/354,920
FILING DATE: No. 5731295ember 12, 1993
APPLICATION NUMBER: 08/354,920
FILING DATE: No. 5731295ember 12, 1993
APPLICATION NUMBER: 08/354,920
FILING DATE: No. 5731295ember 12, 1993
APPLICATION NUMBER: 08/354,920
FILING DATE: December 7, 1992
ATTORNEY AREJERATION NUMBER: 08/354,920
FILING DATE: No. 5731295ember 12, 1993
APPLICATION NUMBER: 08/354,920
FILING DATE: No. 5731295ember 12, 1993
APPLICATION NUMBER: 08/354,920
FILING DATE: December 7, 1992
ATTORNEY AREJERATION NUMBER: 08/354,920
FILING DATE: December 7, 1992
ATTORNEY MADER: MADER: NO. 5731295ember 12, 1993
APPLICATION NUMBER: 08/354,920
FILING DATE: December 7, 1992
ATTORNEY MADER: MADER: NO. 5731295ember 12, 1993
APPLICATION NUMBER: NO. 5731295ember 12, 1993
APPLICATION NUMBER: NO. 5731295ember 12, 1993
ATTORNEY MADER: MADER: NO. 5731295ember 12, 1993
ATTORNEY MADER: NO. 5731295ember 12, 1993
ATTORNEY MADER: NO. 5731295ember 12, 1993
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0; Mismatches
      No. 5612215ember 12, 1993
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0.9%; Score 15.4;
Best Local Similarity 94.1%; Pred. No. 4.
Matches 16; Conservative 0; Mismatch
                       ALLIAGATION NUMBER: 07/989,848
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 211/084
TELEPHONE: (213) 489-1600
TELEPK: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 535, Application US/08435634
Patent No. 5731295
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1589 AAGAACAGAATTGCTCC 1605
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                                                                                                                                                                                                                                                                                                                   TELEX: 67-3510
INPORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-435-634-535/c
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US-08-390-850-535
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Score 14.8; DB 1; Length 18; Pred. No. 63;
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APPLICANT: Paoletti, Enzo
APPLICANT: Parkus, Marion E.
APPLICANT: Tartaglia, James
APPLICANT: Tartaglia, James
APPLICANT: Tartaglia, James
APPLICANT: No. 5766599ton, Elizabeth K.
APPLICANT: Miviere, Michel
APPLICANT: Johnson, Gerard P.
APPLICANT: Audonnet, Jean-Christophe Francis
APPLICANT: Gettig, Wessell Robert
TITLE OF INVENTION: GENETICALLY ENGINEERED VACCINE
TITLE OF INVENTION: STRAIN
NUMBER OF SEQUENCES: Cuttis, Morris & Safford
ADDRESSEE: Cuttis, Morris & Safford
ADDRESSEE: Cuttis, Morris & Strommer
STATE: New York
STATE: NY YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458,101
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; Sequence 280, Application US/08458101
; Patent No. 576659
; GENERAL, INFORMATION:
APPLICANT: Paoletti, Enzo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          222 CTCATAGAAAAACAAAC 239
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Best Local Similarity 88.9%;
Matches 16; Conservative
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US-08-709-209-280
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-709-280/c
US-08-709-200, Application US/08709209
Sequence 280, Application US/08709209
Sequence 280, Application US/08709209
Sequence 280, Application US/08709209
TITLE OF INVENTION: GENETICALLY ENGINEERED VACCINE
TITLE OF INVENTION: STRAIN
TITLE OF INVENTION: STRAIN
TOMBER OF SEQUENCES: 462
CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtis, Morris & Safford
ADDRESSEE: c/o William S. Frommer
STREE: STORE NY
CTITY: New York
STATE: NY
                                                                                                                           Sequence 280, Application US/08105483

Sequence 280, Application US/08105483

PERIOR NO. 5494807

GENERAL INFORMATION:
APPLICANT: Paoletti, Enzo
TITLE OF INVENTION: STRAIN
NUMBER OF SEQUENCES: 462

CORRESPONDENCE ADDRESS:
ADDRESSEE: c/o William S. Frommer
STREET: 530 Fifth Avenue
CITY: New York
STATE: NY
COUNTY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIINT TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/105,483

FILING DATE: 12-AUG-1993

CLASSIFICATION: 424

PRIOR APPLICATION NUMBER: US 07/847,951

PRIOR APPLICATION NUMBER: US 07/847,951

PRIOR APPLICATION NUMBER: 444310-2400

REGISTRENCE/DOCKET NUMBER: 444310-2400

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION INFORMATION
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Best Local Similarity 88.9
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 10036
COMPUTER READABLE FORM:
                                                                                                          RESULT 96
US-08-105-483-280/c
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Gaps
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                                                                                                               Query Match 0.9%; Score 14.8; DB 1; Length 18; Best Local Similarity 88.9%; Pred. No. 63; Matches 16; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Draper, Kenneth G.
APPLICANT: Pavco, Pamela
APPLICANT: Pavco, Pamela
APPLICANT: Gustofson, James
APPLICANT: Gustofson, John
APPLICANT: Stinchcomb, Dan T.
TITLE OF INVENTION: METHOD AND REAGENT FOR TREATMENT
TITLE OF INVENTION OF TREATMENT
TITLE OF TREATMENT
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CALF: 900,1
CALF: 900,1
CALF: 900,1
CALF: 900,0
COMPUTER: Estance of concentration of concentrat
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Pred. No. 65;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; Sequence 536, Application US/08390850; Patent No. 5612215
                                                                                                                                                                                                                                                                                             1121 GCTGGAGCAGCTGAACGA 1138
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INFORMATION FOR SEQ ID NO: 536:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1589 AAGAACAGAATTGCTC 1604
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Best Local Similarity 93.8'
15, Conservative
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STATE: California
COUNTRY: U.S.A.
; TOPOLOGY: linear
US-08-758-306-953
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 100
US-08-390-850-536/c
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US-08-390-850-536
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CORRESPONDENCE ADDRESS:
                               CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Frommer, Williams
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2740
TELECOMMUNICATION INFORMATION:
TELEFRAX: (212) 840-3333
TELEGRATION FOR SEQ ID NO: 280: SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-458-101-280
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STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Pastesey Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/758,306
FILING DATE: December 3, 1996
CLASSIFICATION S14
PRIOR APPLICATION BATA:
APPLICATION NUMBER:
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REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 212/132
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-758-306-953/c
; Sequence 953 Application US/08758306
; Patent No. 5807743
; GENERAL INFORMATION:
; APPLICANT: McSwiggen, James A.;
APPLICANT: McSwiggen, James A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               222 CTCATAGAAAAAACAAAC 239
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INFORMATION FOR SEQ ID NO: 953:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                18 CTAATAGAAAAACCAAC 1
    01-JUN-1995
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ATTORNEY/AGENT INFORMATION:
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GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensherig
APPLICANT: CHEN, Wensherig
APPLICANT: SHANNON, MATK
ITILE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        THE KEKEKENEL ABOUNDER: US/09/866,108A
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-25
FRIOR APPLICATION NUMBER: US 60/207,456
FRIOR PRIOR PELING DATE: 2000-05-26
FRIOR PELING DATE: 2000-05-26
FRIOR PELING DATE: 2000-05-05-05
FRIOR PELING DATE: 2000-09-07
FRIOR PELING DATE: 2000-09-07
FRIOR APPLICATION NUMBER: PCT/USO1/00666
FRIOR PELING DATE: 2001-01-30
FRIOR PELING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
TITLE OF INVENTION: TRANSCRIPTION FACTOR CONTROLLING PHENYLPROPANOID TITLE OF INVENTION: BIOSYNTHESIS PATHWAY FILE REFERENCE: 4859-0027-0 CURRENT APPLICATION NUMBER: US/09/282,146A CURRENT FILING DATE: 1999-03-31 EARLIER APPLICATION NUMBER: JP 10-125171 EARLIER PILING DATE: 1998-03-31 NUMBER OF SEQ ID NOS: 13 SOFTWARE: PATENTIN VAT: 2.1 SEQ ID NOY: 17 LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA US-09-282-146-7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 1; Length 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 103
1.S-09-866-108A-8352/c
7.Sequence 8352, Application US/09866108A
7.Patent No. 6686188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1104 CTCAACACCTCCTCT 1119
                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 CTCAACAACTCCTCT 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 93.8
Matches 15; Conservative
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                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: Draper, Kenneth G.
APPLICANT: Pavco, Pamela
APPLICANT: McSwiggen, James
APPLICANT: Gustofson, John
APPLICANT: Gustofson, John
TILLE OF INVENTION: METHOD AND REAGENT FOR TREATMENT
TILLE OF INVENTION: OF ARTHRITIC CONDITIONS
INVERSIONERS ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: Salw set Pifth Street
STREET: Salw set Pifth Street
STREET: California
COUNTRY: U.S.A.
ZIP: 90071:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/390,850
FILING DATE: February 17, 1995
APPLICATION NUMBER: 08/354,920
FILING DATE: December 13, 1994
APPLICATION NUMBER: 08/152,487
FILING DATE: December 13, 1994
APPLICATION NUMBER: 07/989,848
FILING DATE: December 7, 1992
APPLICATION NUMBER: 07/989,848
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 3, 327
REFERENCE/DOCKET NUMBER: 211/084
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECHONE: 02.025
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93.8%; Pred. No. 65;
iive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: BM Compatible
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
COMPUTER: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/435,634
FILING DATE: OS-MAY-1995
                                                                                                       Sequence 536, Application US/08435634 Patent No. 5731295
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-282-146-7
Sequence 7, Application US/09282146A
Patent No. 6303847
GENERAL INFORMATION:
APPLICANT: KAWAOKA, Akiyoshi
APPLICANT: EBINUMA, Hiroyasu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 536:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid.
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Best Local Similarity 93.8
Matches 15; Conservative
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APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David K.
APPLICANT: CHEN, Wencheng
APPLICANT: CHEN, Wencheng
APPLICANT: SHANNON, Mark
ITILE OF INVENTION! WYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REPERBNCE: ABCMICA-7
CURRENT FILING DATE: 2001-05-25
FRIOR PILING DATE: 2000-05-26
FRIOR APPLICATION NUMBER: US 60/207,456
FRIOR PILING DATE: 2000-09-27
FRIOR PILING DATE: 2000-09-27
FRIOR FILING DATE: 2000-09-27
FRIOR FILING DATE: 2000-09-27
FRIOR FILING DATE: 2000-09-27
FRIOR FILING DATE: 2000-01-09
FRIOR FILING DATE: 2001-01-09
FRIOR FILING DATE: 2001-01-30
FRIOR FILING DATE: 2001-01-30
                                 APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
                                                                                                             CURRENT PAPLICATION NUMBER: US/09/866,108A

CURRENT PELING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR PLING DATE: 2000-05-26

PRIOR PLING DATE: 2000-10-65-26

PRIOR PLING DATE: 2000-10-04

PRIOR PLING DATE: 2000-10-04

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2001-09-27

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30
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Pred. No. 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        273 GAAGCCAAGAAGA
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JI, Yonggang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; ORGANISM: Homo sapiens
US-09-866-108A-8665
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
Matches 15; Conserv
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SEQ ID NO 8665
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PRIOR FILING DATE: 2001-05-26

PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-05-36

PRIOR FILING DATE: 2000-01-04

PRIOR FILING DATE: 2000-01-07

PRIOR FILING DATE: 2000-09-27

PRIOR PELICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR PELICATION NUMBER: PCT/USO1/00664

PRIOR PELICATION NUMBER: PCT/USO1/00664

PRIOR PELING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/USO1/00663

PRIOR PELING DATE: 2001-01-30

PRIOR PELING DATE: 2001-01-30

PRIOR PELING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/USO1/00663

PRIOR PELING DATE: 2001-01-30

PRIOR PRIOR APPLICATION NUMBER: PCT/USO1/00663

PRIOR APPLICATION NUMBER: PCT/USO1/00663

PRIOR APPLICATION NUMBER: PCT/USO1/00663

PRIOR OF SEQ ID NOS: 15755

SOFTWARR: Accomica Sequence Listing Engine

PEROFUMARE: Accomica Sequence Listing Engine

PEROFUMARE: ACCOMICA ACCOMICA ACCOMICANTION ACCOMICANT
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APPLICANT: CHEN, Wenbheng
APPLICANT: SHANNON, Mark
ITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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                                             1;
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                                         Mismatches
       Pred. No. 65;
                                                                                                                                                                                                                                                                                                                                                               Sequence 8353, Application US/09866108A Patent No. 6686188
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                                                                                                             1109 CACCTCCTCCTTGCTG 1124
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   93.8%;
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Best Local Similarity 93.8%;
Matches 15; Conservative
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APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David K.
                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
Best Local Similarity 93.6
Matches 15; Conservative
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US-09-866-108A-8353/c
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US-09-866-108A-8665
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APPLICANT: CHEN, Wencheng
APPLICANT: SHANNON, MARK
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TILE REFERENCE: AEGOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-25
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/230,456
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-09-27
PRIOR PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PRIOR PRIOR DATE: 2001-01-30
PRIOR PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR PRILING DATE: 2001-01-30
          DB 1; Length 17;
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                                                                                                             Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pred. No. 65;
0; Mismatches
Query Match 0.9%; Score 14.4; D
Best Local Similarity 93.8%; Pred. No. 65;
Matches 15; Conservative 0; Mismatches
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SOFTWARE: Acomica Sequence Listing Engine
Patent No. 6686188
SEQ ID NO 10038
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-866-108A-10038/c
; Sequence 10038, Application US/09866108A
; Patent No. 6686188
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Patent No. 585176
GENERAL INFORMATION:
APPLICANT: Evans, Glen A.
APPLICANT: Smith, Michael W.
TITLE OF INVENTION: SAMPLED POR GER
TITLE OF INVENTION: SAMPLED MAPS (
                                                                                                                                                                                                                 715 CCCGCATCGTCCGCAG 730
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APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: PANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
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US-09-866-108A-10038
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PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-05-26

PRIOR PLING DATE: 2000-01-04

PRIOR PLING DATE: 2000-10-04

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR PLING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: SHANNON, MARK
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
                                                    PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Acomica Sequence Listing Engine
PAGENTANDER OF SECTION OF
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93.8%; Pred. No. 65;
ive 0; Mismatches
                    APPLICATION NUMBER: PCT/US01/00669
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-866-108A-10037/c; Sequence 10037, Application US/09866108A; Patent No. 668618B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     274 AAGCCAAGAAGAA 289
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
CORGANISM: Homo sapiens
US-09-866-108A-8667
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US-09-866-108A-10037
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Best Local Similarity
Matches 15; Conserv
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Gaps

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Sequence 25, Application US/08599455B
Patent No. 5972621
GENERAL INFORMATION:
APPLICANT: Trataglia, Louis A.
APPLICANT: Culpepper, Janice A.
TITLE OF INVENTION: METHODS OF IDENTIFYING COMPOUNDS THAT
TITLE OF INVENTION: MODULATE BODY WEIGHT USING THE OB RECEPTOR
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 1; Length 17;
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MEDUTUM TYPE: DISKETTE COMPUTER: DISKETTE COMPUTER: BM COMPATIBLE COMPUTER: BM COMPATIBLE COMPUTER: BM COMPATIBLE CATTON DATA:
APPLICATION NUMBER: US/08/599,455B FILING DATE: 22-JAN-1996
FRION APPLICATION DATA: APPLICATION NUMBER: 08/593,153
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/50,142
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/56,662
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/56,662
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/56,662
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/56,663
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/56,663
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Best Local Similarity 47.1%; Pred. No. 80;
Matches 8; Conservative 7; Mismatches
                                                                                                                                                          CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTONNEY/AGENT INFORMATION:
NAME: WATCHING NUMBER:
REFERENCE/DOCKET NUMBER: 21,327
REFERENCE/DOCKET NUMBER: 21,327
REFERENCE/DOCKET NUMBER: 21,327
REFERENCE/COCKT NUMBER: 21,327
RELEPHONE: (213) 955-0440
TELEPAX: (213) 955-0440
TELEPAX: (7-3510
TELEPAX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 08/562,663
FILING DATE: 27-NOV-1995
ATTORNEY AGENT INFORMATION:
    FastSeq Version 1.5 ICATION DATA:
                                                                                                                               FILING DATE: December 3, 1996
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                                                  CURRENT APPLICATION DA'
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TOPOLOGY: linear
US-08-758-306-467
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                                                                                                                 STRL.
CITY: Loc
STATE: CA
COMPUTER: USA
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/117,952
FILING DATE: 07-SEP-1993
CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: US 08/078,471
FILING DATE: 15-UN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Reiter, Stephen: 1,192
REFERENCE/DOCKET NUMBER: 31,192
REFERENCE/DOCKET NUMBER: 31,193
REFERENCE/DOC
NUMBER OF SEQUENCES: 797
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
STREET: 444 South Plower Street, Suite 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Stinchcomb, Dan T.
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: TREATMENT OF DISEASES
TITLE OF INVENTION: ASSOCIATED WITH
TITLE OF INVENTION: INTERLEUKIN-2 RECEPTOR
TITLE OF INVENTION: GAMMA-CHAIN EXPRESSION
NUMBER OF SEQUENCES: 1379
CORRESPONDENCE ADDRESS:
ADDRESSE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 467, Application US/08758306
Patent No. 5807743
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US-08-758-306-467
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Sequence 21, Application US/08474700B

Patent No. 6001990

GENERAL INFORMATION:
APPLICANT: Wands, Jack
APPLICANT: Wardia, Takaji
APPLICANT: Wartia, Takaji
APPLICANT: Wartia, Takaji
APPLICANT: Wartion: ANTISENSE INHIBITION OF HEPATITIS C
TITLE OF INVENTION: VIRUS
INTILE OF INVENTION: VIRUS
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
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                                                                                                Score 13.8; DE
Pred. No. 80;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 225 Franklin Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 50Z or 55SX
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/474,700B
FILING DATE: 07-70N-1995
PRIOR APPLICATION NUMBER: 08/240,382
FRIING DATE: 10 May 1994
ATTORNEY AGENT INFORMATION:
NAME: Fraser, Janie K.
REGISTRATION NUMBER: 34,819
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 0.8%; Score 13.8; I Best Local Similarity 88.2%; Pred. No. 80; Mismatches 15; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: 34,819
REFERENCE/DOCKET NUMBER: 00786/279001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELERA: (617) 542-8906
TELEX: 20016
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 114
US-08-757-024-874/c
US-08-757-024-874/c
; Sequence 874, Application US/08757024
; Patent No. 6025339
; GENERAL INFORMATION:
; APPLICANT: Nyce, Jonathan W.
                                                                                                                                                                                        660 CACTACCTGCCTTCAG 676
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                                                                                              Query Match
Best Local Similarity 88.2
Matches 15; Conservative
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
    ; TOPOLOGY: linear; MOLECULE TYPE: DNA
US-08-599-4558-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-474-700B-21
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Fatent No. 5972621
GENERAL INFORMATION
APPLICANT: Tartaglia, Louis A.
APPLICANT: Tepper, Robert I.
APPLICANT: Culpepper, Janice A.
ITILE OF INVENTION: METHODS OF IDENTIFYING COMPOUNDS THAT
ITILE OF INVENTION: MOULLATE BODY WEIGHT USING THE OB RECEPTOR
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
CITY: Daston
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                                                                                                                                                                                                                                                                                                                      Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 80; Matches 15; Conservative 0; Mismatches 2; Indels
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STATE: MA
COUNTRY: US
ZIP: 0210-2804
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/599,455B
FILING DATE: 22-JAN-196
PRICATION NUMBER: 08/583,153
FPLING DATE: 1-DEC-1995
APPLICATION NUMBER: 08/50,142
FILING DATE: 1-DEC-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/56,63
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/56,63
FILING DATE: 1-DEC-1995
APPLICATION NUMBER: 08/56,63
FILING DATE: 37-NOV-1995
ATTORNEY/AGENT INFORMATION:
NAME: Meiklejohn, Ph.D., Anita L.
REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 07334/017001
TELEPHONE: 617-542-5070
REFERENCE/DOCKET NUMBER: 07334/017001
              TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-6070
TELEFAX: 617-542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANBENESS: single
                                                                                                                                                                                                                                                                                                                                                                                                               660 CACTACCTGCCCTTCAG 676
                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 CACTATTTGCCCTTCAG 17
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INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTER.SCTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                            ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-599-4558-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-599-455B-27
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0.8%; Score 13.8;
88.2%; Pred. No. 80
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TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                E: Fish & Richardson, P.C. 225 Franklin Street
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1530 GCCCAGCCTCTCCCCGC 1546
                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             17 ecccaecrarecces 1
TELEFAX: 912
TELEFAX: 912
TELEX: 575102
; INFORMATION FOR SEQ ID NO: 94
; SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
LENGTH: 17 base pairs
TENGTH: 17 base pairs
TENGTH: 17 base pairs
               : 919-881-3140
919-881-3175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 88.2
Matches 15; Conservative
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CITY: Boston
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; Sequence 944, Application US/08757024
; Patent No. 6025339
; GENERAL INFORMATION:
    TITLE OF INVERTION: METHOD OF TREATMENT FOR ASTHMA
; TITLE OF INVERTION: METHOD OF TREATMENT FOR ASTHMA
; NUMBER OF SEQUENCES: 952
; CORRESPONDERES: BELL, SELTZER, PARK & GIBSON
; STREET: P.O. Drawer 34009
; STRATE: No. 6025339th Carolina
; COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                             OPERATING SYSTEM: PC-LUCS/PS-LUCS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,024
FILING DATE: 26-NOV-1996
CLASSIFICATION: 514
ATTORNEY/AGRYT INFORMATION:
NAME: Sibley, Kenneth D.
REGISTRICE/DOCKET NUMBER: 5218-41
TELECOMMUNICATION NUMBER: 5218-41
TELECOMMUNICATION NUMBER: 5218-41
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION INFORM
   TITLE OF INVENTION: METHOD OF TREATMENT FOR ASTHMA NUMBER OF SEQUENCES: 952
CORRESPONDENCE ADDRESS:
ADDRESSER: BLL, SELTZER, PARK & GIBSON STREET: P.O. Drawer 14009
CITY: Charlotte
STATE: No. 6025339th Carolina
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
PEPLICATION NUMBER: US/08/757,024
FILING DATE: 26-NOV-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match

0.8%; Score 13.8;
Best Local Similarity 88.2%; Pred. No. 80
Matches 15; Conservative 0; Mismatche
                                                                                                                                                                                                                                                                                                ZIP: 28234
COMPUTER REALABLE FORM:
MEDIUM TYPE: Floppy disk
CMEDUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 28234
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1530 GCCCAGCCTCTCCCCGC 1546
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REGISTRATION NUMBER: 31,665
REFERENCE/DOCKET NUMBER: 521
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)
US-08-757-024-874
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ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        nucleic acid
EDNESS: single
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APPLICANT: Tartaglia, Louis A.
APPLICANT: Tartaglia, Louis A.
APPLICANT: Culpeper, Janice A.
APPLICANT: Culpeper, Janice A.
APPLICANT: White, David W.
TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR
TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,
TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
                                                                                                          Gaps
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DB 1; Length 17;
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MEDIUM TYPE: Diskette E
COMPUTER: Diskette E
COMP
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Gaps
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APPLICANT: PAVCO, Pamela
APPLICANT: PAVCO, Pamela
APPLICANT: Strinchorm, Dan T.
APPLICANT: Escobedo, James
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: TREATMENT OF DISEASES OR
TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
TITLE OF SEQUENCES: 8502
CORRESPONDENCE ADDRESS:
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Pred. No. 80;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Los Angeles
COUNTY: Los Angeles
STATE: California
COUNTY: U.S.A.

ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: STORGE
COMPUTER: IBM COMPATIBLE
COMPUTER: IBM COMPATIBLE
COMPUTER: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/584,040
FILING DATE: January 11, 1996
CLASSIFICATION DATA:
APPLICATION NUMBER: 60/005,974
FILING DATE: October 26, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Marburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/064
TELECOMMUMICATION INFORMATION:
TELECOMMUMICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 7759, Application US/08584040
Patent No. 6346398
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
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TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 7759:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                 660 CACTACCTGCCCTTCAG 676
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TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                  Query Match 0.8%;
Best Local Similarity 88.2%;
Matches 15; Conservative
(617) 542-5070
                                          TELEX: 200154
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 17 base pairs TYPE: nucleic acid STRANDEDNESS: single
                         (617) 542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17 base pairs
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                                                                                                                                                                                       ; TOPOLOGY: linear; MOLECULE TYPE: DNA
US-09-069-781B-27
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STRANDEDNESS:
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  TELEPHONE:
TELEFAX: (
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APPLICANT: Tapper, Robert I.
APPLICANT: Tapper, Robert I.
APPLICANT: Tapper, Janice A.
APPLICANT: Tapper, Janice A.
APPLICANT: White, David W.
TITLE OF INVENTION: THE DISCREPTOR AND METHODS FOR
TITLE OF INVENTION: THE DISCREPTOR AND TREATMENT OF BODY WEIGHT DISCREBES,
TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
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MEDIUM TYPE: Disketter
COMPUTER: DISKETER
COMPUTER: MINDOWSSS
SOFTWARE: REABLE FORM:
MINDOWS TYPE: DISKETER
COMPUTER: WINDOWSSS
SOFTWARE: REABERG for WINDOWS VERSION 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/069,781B
FILING DATE: 28-MAY-1997
APPLICATION NUMBER: US 08/84,564
FILING DATE: 28-MAY-1997
APPLICATION NUMBER: US 08/86,123
FILING DATE: 28-MAY-1996
APPLICATION NUMBER: US 08/59,455
FILING DATE: 28-DEC-1996
APPLICATION NUMBER: US 08/59,455
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: US 08/59,485
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: US 08/56,622
FILING DATE: 104-DEC-1995
APPLICATION NUMBER: US 08/56,633
FILING DATE: 104-DEC-1995
APPLICATION NUMBER: US 08/56,622
FILING DATE: 37-NOV-1995
ATTORNEY/AGENT INFORMATION:
NAME: MAIXAPOORTET NUMBER: US 08/56,633
ATTORNEY/AGENT INFORMATION:
REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 07334/082001
REERSENCE/DOCKET NUMBER: 07334/082001
                                                                                                                                                                                                                                                                                              0.8%; Score 13.8; D
88.2%; Pred. No. 80;
tive 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                   660 CACTACCTGCCTTCAG 676
                                                                                                                                                                                                                                                                                                                                                                                                                              1 CACTATTTGCCCTTCAG 17
            (617) 542-5070
(617) 542-8906
                                   TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 22
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                 TOPOLOGY: linear
MOLECULE TYPE: DNA
US-09-069-781B-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Boston
               TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-069-781B-27
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STATE: MA
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APPLICANT: Tartaglia, Louis A.
APPLICANT: Tartaglia, Louis A.
APPLICANT: Tepper, Robert I.
APPLICANT: Culpepper, Janice A.
APPLICANT: White, David W.
TITLE OF INVENTION: THE DIAGNOSIS AND METHODS FOR
TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF, BODY WEIGHT DISORDERS,
TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: Figh & Richardson, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: 140 Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/137,132
FILING DATE: 18-AUG-1998
PRIOR APPLICATION NUMBER: 08/708,123
APPLICATION NUMBER: 08/708,123
APPLICATION NUMBER: 08/708,123
FILING DATE: 28-MAY-1997
APPLICATION NUMBER: 08/708,123
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/59,455
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/59,455
FILING DATE: 22-DEC-1995
APPLICATION NUMBER: 08/56,485
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/56,485
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/56,662
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/56,663
FILING DATE: 08-DEC-1995
ATTORNEY/AGENT TINDORMATION:
NAME: MEAKLEÓDIN, Ph.D., Anita L.
NAME: WEAKLEÓDIN, Ph.D., Anita L.
NAME: WEAKLEÓDIN, Ph.D., Anita L.
NAME: WEAKLEÓDIN, Ph.D., Anita L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           07334/019004
                                                                                                                       Sequence 25, Application US/09137132 Patent No. 6380363 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STAIL: ...
COUNTRY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     660 CACTACCTGCCTTCAG 676
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225 Franklin Street
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TELEFAX: 617-542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 25
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 cacrarrrececricas
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STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-137-132-25
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uvery match

0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 80;
Matches 11; Conservative 4; Mismarchen
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                                                                                                                                                                                                                                                                                                                                     APPLICANT: Edington, Brent E.
APPLICANT: Redington, James A.
APPLICANT: McSwiggen, James A.
APPLICANT: Guo, Lining
APPLICANT: Gwo, Lining
APPLICANT: Skokut, Thomas A.
APPLICANT: Skokut, Thomas A.
APPLICANT: Folket's, Otto
APPLICANT: Folket's, Otto
APPLICANT: Folket's, Otto
APPLICANT: Merlo, Donald J.
TITLE OF INVENTION: COMPOSITION AND METHODS FOR
TITLE OF INVENTION: MODULATION OF GENE EXPRESSION
TITLE OF INVENTION: IN PLANTS
NUMBER OF SEQUENCES: 1263
CORDESSEE: Lyon C.
STRFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: Lyon & Lyon STREET: 633 West Fifth Street STREET: Suite 4700 CITY: Los Angeles STATE: California COUNTRY: U.S.A. ZIP: 90071-2066 COMPUTER READABLE FORM: MEDIUM TYPE: 3.5" Diskette, 1.44 Mb MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 13.8;
Pred. No. 80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/679,645
FILING DATE: July 12, 1996
CLASSIFICATION BOO
PRIOR APPLICATION NUMBER: 60/001,135
FILING DATE: July 13, 1995
APPLICATION NUMBER: 08/300,726
FILING DATE: SEPTEMBER: 0,1994
ATTORNEY AGENT INPORMATION:
NUMBER: MATBURING PATE: MATBURING DATE: MATBURING DATE: MATBURING DATE: MATBURING DATE: MATBURING DATE: MATBURING NUMBER: 0,1994
ATTORNEY AGENT INPORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                32,327
ER: 219/247
                                                                                                                                                                                                                                                                                                               Sequence 687, Application US/08679645
Patent No. 6350934
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 219/
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELETAX: (713) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 687:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1229
                                                                                                                               1112 CTCCTCCTTGCTGGAGC 1128
                                                                                                                                                          Query Match
Best Local Similarity 88.2%;
Matches 15; Conservative
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                                                                                                                                                                                                                                                            RESULT 119
US-08-679-645-687/c
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Gequence 25, Application US/08864564A

Fatent No. 6395498
GENERAL INFORMATION:
APPLICANT: Tartaglia, Louis A.
APPLICANT: Tartaglia, Louis A.
APPLICANT: Tolpeper, Janice A.
APPLICANT: White, David W.
APPLICANT: White, David W.
TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSE: Fish & Richardson, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READBLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: Diskette
COMPUTER: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATE: 08/684,564A
FILING DATE: 28-MAY-1997
APPLICATION NUMBER: 08/638,524
FILING DATE: 26-APR-1996
APPLICATION NUMBER: 08/59,455
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/59,455
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/59,455
FILING DATE: 1-DEC-1995
APPLICATION NUMBER: 08/50,485
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/56,662
APPLICATION NUMBER: 08/56,663
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/56,663
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 35,283
ATTORNEY/AGBNT INFORMATION:
NAME: WEIGHTON NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 37,283
REFERENCE/DOCKET NUMBER: 37,283
TELECOMMUTCATION INFORMATION:
TELEPHONE: 617-542-8906
                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Fish & Richardson, P.C. STREET: 225 Franklin Street CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               660 CACTACCTGCCCTTCAG 676
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TELEX: 200154
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
EENTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 0.8
Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: US
ZIP: 02110-2804
  JS-08-864-564A-25
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        Sequence 27, Application US/09137132
; Patent No. 6380363
; GENERAL INFORMATION:
APPLICANT: Tartaglia, Louis A.
APPLICANT: Tepper, Robert I.
APPLICANT: Tepper, Janice A.
APPLICANT: Ulpepper, Janice A.
APPLICANT: White, David W.
TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,
TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
CITY: Boston
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                                                                                                                                                                                                                                                                                                                                                                              CITY: Boston
STRIE: MA
COUNTRY: US
ZIP: 03110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Disketer
COMPUTER: IBM Compatible
CORPUTER: IBM COMPA:
APPLICATION NUMBER: US/09/137,132
FILING DATE: 18-MG-1998
RPLICATION NUMBER: 08/864,564
FILING DATE: 28-MAY-1997
APPLICATION NUMBER: 08/69,455
FILING DATE: 26-MAR-1996
APPLICATION NUMBER: 08/59,455
FILING DATE: 26-APR-1996
APPLICATION NUMBER: 08/59,455
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/59,153
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/56,485
FILING DATE: 10-DEC-1995
APPLICATION NUMBER: 08/56,485
FILING DATE: 10-DEC-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 10-DEC-1995
APPLICATION NUMBER: 08/56,63
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/56,63
FILING DATE: 37-NOV-1995
APPLICATION NUMBER: 35,281
REGISTRATION NUMBER: 35,281
NAME: MAKE: MAKLEJOHN, Ph.D., Anita L.
REGISTRATION NUMBER: 35,281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.8%; Score 13.8; I
38.2%; Pred. No. 80;
tve 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: 07334/019004
TELECOMMUNICATION:
TELEPHONE: 617-542-5070
TELEPHOX: 617-542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  660 CACTACCTGCCCTTCAG 676
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 15; Conserve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           linear
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US-09-137-132-27
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Score 13.8; DB 1; Length 17;
Pred. No. 80;
0; Mismatches 2; Indels
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CACTATTTGCCCTTCAG 17

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Application US/09094410
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Best Local Similarity 88.2°
Matches 15, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-09-094-410-25
                                      Squence 27, Application US/08864564A
| Sequence 27, Application US/08864564A
| Sequence 27, Application US/08864564A
| Patent No. 6395498
| GENERAL INFORMATION:
| APPLICANT: Tareaglia, Louis A.
| APPLICANT: Culpepper, Janice A.
| APPLICANT: White, David W.
| TITLE OF INVENTION: THE DB RECEPTOR AND METHODS FOR TITLE OF INVENTION: THE DB TREATMENT OF BODY WEIGHT DISORDERS, TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA NUMBER OF SEQUENCES: 50
| CORRESPONDENCE ADDRESS:
| ADDRESSEE: Fish & Richardson, P.C.
| STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
COMPUTER: SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/864,564A
FILING DATE: 28-MAY-1997
RILING DATE: 03-SEP-196
APPLICATION NUMBER: 08/599,455
FILING DATE: 26-APR-1996
APPLICATION NUMBER: 08/599,455
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/599,455
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/599,455
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/569,485
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/560,633
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
0.8%; Score 13.8; Di
Best Local Similarity 88.2%; Pred. No. 80;
Matches 15; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     660 CACTACCTGCCCTTCAG 676
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                , MOLECULE TYPE: DNA
US-08-864-564A-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     linear
                                      US-08-864-564A-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: Bos
STATE: MJ
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
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PREMIRANTION: TATAGETIA.

APPLICANT: TATAGETIA.

APPLICANT: TATAGETIA.

APPLICANT: TATAGETIA.

APPLICANT: TATAGETIA.

APPLICANT: TEACH ADDREST: APPLICANT: THE DIAGNOSIS AND NETACOS FOR TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISONDERS, TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISONDERS, TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISONDERS.

ADDRESSES: Tataget APPLICANT STATEM. THE APPLICANT STA
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RESULT 125 US-09-094-410-27

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RESULT 124 US-09-094-410-25

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Sequence 25, Application US/08708123D
Patent No. 6482927
GENERAL INFORMATION:
APPLICANT: Tarraglia, Louis A.
APPLICANT: Tarraglia, Louis A.
APPLICANT: Tepper, Janice A.
APPLICANT: White, David W.
TITLE OF INVENTION: THE DB RECEPTOR AND METHODS FOR
TITLE OF INVENTION: THE DB INGROSIS AND TREATMENT OF BODY WEIGHT DISORDERS,
TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 80;
                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: INA
COMPUTER: INA
COMPUTER: INA
COMPUTER: Diskette
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFFWARE: FastSED for Windows95
SOFFWARE: PastSED for Windows
SOFFWARE: OSSEP198
FILING DATE: 03-SEP196
FILING DATE: 26-APR-196
FILING DATE: 26-APR-196
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/59,455
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/59,455
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/59,465
FILING DATE: 12-DEC-1995
APPLICATION NUMBER: 08/50,485
FILING DATE: 10-DEC-1995
APPLICATION NUMBER: 08/56,485
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08-DEC-1995
APPLICATION NUMBER: 37-NOV-1995
APPLICATION NUMBER: 35-283
REFERENCE/DOCKET NUMBER: 37-383
REFERENCE/DOCKET NUMBER: 37-383
REFERENCE/DOCKET NUMBER: 37-383
TELEPHONE: 617-542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
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US-08-708-123D-27
; Sequence 27, Application US/08708123D
; Patent No. 6482927
; GENERAL INFORMATION:
; APPLICANT: Tartaglia, Louis A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                 Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-708-123D-25
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0
                                                                                         APPLICANT: Tartaglia, Louis A.
APPLICANT: Tepper, Robert I.
APPLICANT: Culpepper, Janica A.
APPLICANT: White, David W.
APPLICANT: White, David W.
TITLE OF INVENTION: THE DAGROSIS AND METHODS FOR TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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88.2%; Pred. No. 80;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRATING SYSTEM: Windows95
SOFTWARE: FasteEGG for Windows95
SOFTWARE: FasteEGG for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/094,410
FILING DATE: 09-JUN-1998
APPLICATION NUMBER: 08/864,564
FILING DATE: 28-MAY-1997
APPLICATION NUMBER: 08/708,123
FILING DATE: 28-MAY-1996
APPLICATION NUMBER: 08/599,455
FILING DATE: 26-APR-1996
APPLICATION NUMBER: 08/599,455
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/599,455
FILING DATE: 20-DS-1996
APPLICATION NUMBER: 08/59,485
FILING DATE: 10-DEC-1995
APPLICATION NUMBER: 08/56,485
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/56,63
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/56,63
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 37,283
REFERENCE/DOCKET NUMBER: 37,283
TELESPHONE: 617-542-8906
                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
             Sequence 27, Application US/09094410 Patent No. 6403552 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             660 CACTACCTGCCCTTCAG 676
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Best Local Similarity 88.2°
Matches 15, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                    Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-094-410-27
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Gaps

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Indels

RESULT 126 US-08-708-123D-25

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APPLICANT: Tartaglia, Louis A.
APPLICANT: Tartaglia, Louis A.
APPLICANT: Tepper, Robert I.
APPLICANT: Culpaper, Janice A.
TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR THE
TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, INCLUDING
TITLE OF INVENTION: OBESITY AND CACHEXIA
NUMBER OF SEQUENCES: 41
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 17;
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TITLE OF INVENTION: OBESITY AND CACHEXIA NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 13.8;
Pred. No. 80
                                                                                                                                                                                                                                                                                    OPERATING SYSTEM: DOS
OOFWARE: FASTES OF VARIES
CURRENT APPLICATION DATE:
APPLICATION NUMBER: US/08/583,153A
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/570,142
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/56,485
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/56,632
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/56,633
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/56,633
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/56,633
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 35,283
REGERENCE/DOCKET NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 35,283
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   07334/016001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-583-153A-27
; Sequence 27, Application US/08583153A
; Sequence 27, Application US/08583153A
; Setent No. 6506877
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ;
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                                                                                                                                                                     COUNTRY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 cacratrrecectrese 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 88.2%;
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEX: 200154
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear '
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Boston
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 129
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; Sequence 25, Application US/08583153A
; Sequence 25, Application US/08583153A
; GENERAL INFORMATION:
; APPLICANT: Tartaglia, Louis A.
; APPLICANT: Tepper, Robert I.
; APPLICANT: Culpeper, Nanice A.
; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR THE
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, INCLUDING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
         Culpepper, Janice A.
White, David W.
NENTION: THE OB RECEPTOR AND METHODS FOR
YENTION: THE DIAGNOSIS AND TREATHENT OF BODY WEIGHT DISORDERS,
VENTION: INCLUDING OBESITY AND CACHEXIA
EQUENCES: 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                                                                                                                  COUNTY: US
ZID: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
OSOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATE: 08/59/455
FILING DATE: 26-APR-196
APPLICATION NUMBER: 08/59/455
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/59/455
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/59/455
FILING DATE: 1-1-DEC-1995
APPLICATION NUMBER: 08/50/142
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/56/622
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/56/622
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/56/622
FILING DATE: 27-NOV-1995
ATTORNEY/AGENT INFORMATION:
NAME: MESKERENCE/DOCKET NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 37,283
REFERENCE/DOCKET NUMBER: 07334/019001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 13.8; DE
Pred. No. 80;
0; Mismatches
                                                                       TITLE OF INVENTION: THE OB RECEPTOR. TITLE OF INVENTION: THE DIAGNOSIS AN TITLE OF INVENTION: INCLUDING OBESIT NUMBER OF SEQUENCES: 50 CORRESPONDENCE ADDRESSS: CARRESPER: Pish & Richardson, P.C. STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  660 CACTACCTGCCCTTCAG 676
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617-542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEX: 200154
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 0.8
Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; MOLECULE TYPE: DNA
US-08-708-123D-27
                                                                                                                                                                                                                                               Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE:
                                                                                                                                                                                                                                            CITY: BOS
STATE: MA
COUNTRY:
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APPLICANT: Tartaqlia, Louis A.
APPLICANT: Tartaqlia, Louis A.
APPLICANT: Touris Robert I.
APPLICANT: Culpepper, Janice A.
APPLICANT: Unice A.
APPLICANT: White, David W.
TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR THE
TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, INCLUDING OB TITLE OF INVENTION: CACHEXIA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
CITY: Boston
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: US
ZII-0-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM COMPALIBLE
OPERATIOS: DISKETE
OPERATIOS SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION DATE: 26-APR-1996
PRIOR APPLICATION DATE: 38-APR-1996
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/599,455
FILING DATE: 22-JAN-1995
APPLICATION NUMBER: 08/5970,142
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/56,485
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/56,622
APPLICATION NUMBER: 08/566,622
                                                   FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/569,485
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/566,622
APPLICATION NUMBER: 08/566,622
APPLICATION NUMBER: 08/56,622
APPLICATION NUMBER: 08/56,622
APPLICATION NUMBER: 08/56,63
ATORNEY/AGENT INFORMATION:
NAME: MARIA 1000, Ph. D. Anita L.
REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 35,283
TELEPHONE: 617-542-6770
TELEPHONE: 617-542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 27, Application US/08638524B Patent No. 6548269 GENERAL INFORMATION:
                                      08/570,142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          660 CACTACCTGCCCTTCAG 676
          28-DEC-1995
                                                                                                                                                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 17 base pairs TYPE: nucleic acid STRANDEDNESS: single
                                APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear;
MOLECULE TYPE: DNA
US-08-638-5248-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  JS-08-638-524B-27
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; Sequence 25, Application US/08638524B
; Patent No. 6548269
; GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Tartaglia, Louis A.
APPLICANT: Culpeper, Janice A.
APPLICANT: Culpeper, Janice A.
TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR THE
TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, INCLUDING OF
TITLE OF INVENTION: CACHEXIA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match

0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 80;
Matches 15; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZUMINIO 22110-2804
ZIP: 02110-2804
EMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
COPERATION SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUBER: US/08/638,524B
FILING DATE: 26-APR-1996
PRIOR APPLICATION DATA:
APPLICATION NUBER: 08/599,455
FILING AND AND AND AND APPLICATION WINDER: 08/599,455
             COPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0
SOFTWARE: FastSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/583,153A
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/50,142
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/569,485
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/560,63
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/560,63
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/560,63
FILING DATE: 27-NOV-1995
ATTORNEY/ASTATION NUMBER: 35,283
REGISTRATION NUMBER: 35,283
REGISTRATION NUMBER: 35,283
REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 07334/016001
TELECOMMUNICATION INFORMATION:
TELEFRAN: 617-542-8906
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APPLICATION NUMBER: 08/583,153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     660 CACTACCTGCCCTTCAG 676
IBM Compatible
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US-08-638-524B-25
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APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OP INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
FILE REFERENCE: MEHBOO, 876-J (237/198)
CURRENT APPLICATION NUMBER: US/09/371,7728
CURRENT PILING DATE: 1999-01-0
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR PILING DATE: 1995-10-26
PRIOR PILING DATE: 1995-10-08
NUMBER OF SEQ ID NOS: 14225
SOFTWARE: Patentin version 3.0
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APPLICANT: 01, Yizhong
APPLICANT: 01, Yizhong
APPLICANT: 01, Yizhong
APPLICANT: FENN, Sharron G.
APPLICANT: PENN, Sharron G.
APPLICANT: RANK: David R.
APPLICANT: RANK: David R.
APPLICANT: RANK: David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, MAK
TITLE OFFERENCE: ABONICA-7
CURRENT APPLICATION NUMBER: US 60/207, 456
PRIOR APPLICATION NUMBER: US 60/207, 456
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR PLICATION NUMBER: PCT/US01/0066
PRIOR APPLICATION NUMBER: PCT/US01/0066
PRIOR APPLICATION NUMBER: PCT/US01/0066
PRIOR APPLICATION NUMBER: PCT/US01/0066
PRIOR PLING DATE: 2001-01-30
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Pred. No. 80;
3; Mismatches
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Patent No. 6686188
SEQ ID NO 1895
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-866-108A-1895/c
Sequence 1895, Application US/09866108A
; Sequence No. 6686188
; GENERAL INFORMATION:
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Best Local Similarity 70.6'
Matches 12; Conservative
   Stinchcomb,
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US-09-371-772B-4182
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; ORGANISM: Homo sapiens
US-09-866-108A-1895
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 4182
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Sequence 3543, Application US/0937172B

Sequence 35627

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Racobedo, Jaim
APPLICANT: Bacobedo, Jaim
APPLICANT: Bacobedo, Jaim
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions ReTITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions FILE REFERENCE: MBHB00, 876-J (237/198)
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION: USE OF JAIN OF JAIN
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0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 80;
Matches 11; Conservative 4; Mismatches 2; Indels
               FILING DATE: 07-00-1995
ATTORNEY/AGENT INFORMATION:
NAME: Meiklejohn, Ph.D., Anita L.
REGISTRATION NUMBER: 35,283
REGISTRATION NUMBER: 07334/018001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-8906
TELEFAX: 617-542-8906
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APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: Pavco, Pam APPLICANT: McSwiggen, Jim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1112 CTCCTCCTTGCTGGAGC 1128
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04-DEC-1995
                                                                                                                                                                                                                                                                                                                                                        TELEX: 200154
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7 TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-638-5248-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Mus sp. US-09-371-772B-3543
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US-09-371-772B-4182
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US-09-371-772B-3543
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, ORGANISM: Homo sapiens
US-09-866-108A-7355
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SEQ ID NO 7355
LENGTH: 17
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CURRENT PILLING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR PILLING DATE: 2000-05-26

PRIOR FILLING DATE: 2000-06-26

PRIOR FILLING DATE: 2000-10-04

PRIOR PELING DATE: 2000-09-27

PRIOR PILLING DATE: 2000-09-27

PRIOR PELING DATE: 2001-01-30

PRIOR PELING DATE: 2001-01-30

PRIOR PILLING DATE: 2001-01-30

PRIOR PELING DATE: 2001-01-30

PRIOR PILLING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: SHANNON, MATK
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
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DB 1; Length 17;
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88.2%; Pred. No. 80;
tive 0; Mismatches
0.8%; Score 13.8; E
88.2%; Pred. No. 80;
iive 0; Mismatches
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US-09-866-108A-7355
Sequence 7355, Application US/09866108A
PERLEAUT NO. 6686188
GENERAL INFORMATION:
APPLICANT: GU, Yizkong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
                                                                                                                                                                                                                                                                                                         RESULT 135
12-09-86-108A-2643/c
'S-equence 2643, Application US/09866108A
'Patent No. 6686188
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                                                                                                                                      93 GAGAGTGGGCAGGTCCT 109
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APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
                                                                                                                                                                                                        17 GAGAGAGCCAGGICCT
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Best Local Similarity 88.2'
15, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RANK, David R. CHEN, Wensheng
                                                                        15; Conservative
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US-09-866-108A-2643
                                  Best Local Similarity
Matches 15; Conserv
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      Query Match
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APPLICANT: PENN, SIARTON G.
APPLICANT: PENN, SIARTON G.
APPLICANT: PENN, SIARTON G.
APPLICANT: RANCE, David K.
APPLICANT: RANCE C.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, WENSHENG
ITTLE OF INTENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TILE OF INTENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TILE OF ILING DATE: 2001-05-25
PRIOR PAPLICANTON NUMBER: US 60/207,456
PRIOR PELING DATE: 2000-05-26
PRIOR PELING DATE: 2000-05-26
PRIOR PELING DATE: 2001-01-04
PRIOR PELING DATE: 2001-01-04
PRIOR PELING DATE: 2001-01-04
PRIOR PELING DATE: 2001-01-30
PRIOR PELING PERIOR PE
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                                                                                                                                                                                                      Length 17;
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                                                                                                                                                                                                      DB 1;
                                                                                                                                                                                                                                                                          0; Mismatches
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                                                                                                                                                                                                      0.8%; Score 13.8;
88.2%; Pred. No. 80
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; Patent No. 6686188
; GENERAL INFORMATION;
                                                                                                                                                                                                                                                                                                                                               292 AGGATGCCCTAAATGAG 308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 267 CTAGAAGAAGCCAAGAA 283
                                                                                                                                                                                                                                                                                                                                                                                                                    1 AGGATGACCTGAATGAG 17
                                                                                                                                                                                                      Query Match 0.8
Best Local Similarity 88.2
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 15; Conserv
                                                                                                                                     US-09-866-108A-8568
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PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR FILING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-03-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

NUMBER OF SEQ ID NOS: 15755

SOFTWARE: Acomica Sequence Listing Engine

Patent No. 6686188

LENGTH: 17

TUDE: 17
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US-09-866-108A-8568
Sequence 8568, Application US/09866108A
Sequence 8568, Application US/09866108A
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: PENN, Sharron G.
APPLICANT: HANK, David K.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
APPLICANT: SHANNON, Mark
APPLICANT: SHANNON, MARK
APPLICANT: SHANNON, MAYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REPERENCE: AEOMICA-7
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CURRENT PLING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2000-10-30
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR PILING DATE: 2001-01-30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
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Matches 15; Conservative
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; ORGANISM: Homo sapiens
US-09-866-108A-7485
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ORGANISM: Homo sapiens
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FILING DATE: 2001-01-30
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                                          APPLICANT: HANZEL, DATAG K.
APPLICANT: HANZEL, DATAG K.
APPLICANT: RANK, DAVIG R.
APPLICANT: RANK, DAVIG R.
APPLICANT: SHANNON, Wark
APPLICANT: SHANNON, Wark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE FILE REFERENCE: ACOUL-05-25
CURRENT TAILNED DATE: 2000-10-24
PRIOR PLILING DATE: 2000-10-36
PRIOR FILING DATE: 2000-00-27
PRIOR PLILING DATE: 2000-00-27
PRIOR PLILING DATE: 2000-00-27
PRIOR PLILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILI
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APPLICANT: JI, Yonggang
APPLICANT: FENN, Sharron G.
APPLICANT: PENN, Sharron G.
APPLICANT: RANZEL, David R.
APPLICANT: RANX, David R.
APPLICANT: RANX, David R.
TITLE OF INVENTION: Wenshong
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
CURRENT APPLICATION NUMBER: US/09/866,108A
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-04
PRIOR PRILOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2001-01-30
PRIOR PRILORION NUMBER: PCT/US01/00666
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                   PENN, Sharron G.
HANZEL, David K.
RANK, David R.
CHEN, Wensheng
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Best Local Similarity
Matches 15; Conserv
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PREMERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: PERN, Sharron G.
APPLICANT: PERN, Sharron G.
APPLICANT: ENRY ENRY EL DAVIG K.
APPLICANT: SHANKON, MARK
TITLE OF INVENTION: WANCSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REPERRICE: ACCOUNTED. SO 00-05-26
FRIOR APPLICATION NUMBER: US 00-05-26
FRIOR APPLICATION NUMBER: US 00-05-26
FRIOR APPLICATION NUMBER: DO 00-09-27
FRIOR APPLICATION NUMBER: PCT/USO1/0666
FRIOR PRING DATE: 2001-01-04
FRIOR PLING DATE: 2001-01-04
FRIOR PLING DATE: 2001-01-04
FRIOR PRING DATE: 2001-01-066
FRIOR APPLICATION NUMBER: PCT/USO1/0666
FRIOR FILING DATE: 2001-01-30
FRIOR PLING DATE: 2001-01-30
FRIOR PLING DATE: 2001-01-30
FRIOR FILING DAT
PRIOR APPLICATION NUMBER: PCT/USO1/00664
PRIOR APPLICATION NUMBER: PCT/USO1/00664
PRIOR PILING DATE: 2001-01-30
PRIOR PLICATION NUMBER: PCT/USO1/00669
PRIOR FILING DATE: 2001-01-30
PRIOR PLICATION NUMBER: PCT/USO1/00665
PRIOR FILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
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Best Local Similarity 88.2%;
Matches 15; Conservative
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GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: GI, Yongang
I, APPLICANT: GI, Yongang
APPLICANT: GI, Yongang
APPLICANT: HI, Yongang
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David R.
APPLICANT: HANZEL, David R.
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: WROSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: ALEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-26
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,00666
                                                                                                                                  APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MINSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AECMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PRILING DATE: 2000-05-26
PRIOR PRILING DATE: 2000-09-27
PRIOR PRILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PRILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
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Pred. No. 80;
0; Mismatches
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Patent No. 6686188
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Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                              RANK, David R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 143
US-09-866-108A-9687/c
Sequence 9687, Application US/09866108A
Sequence 9687, Application US/09866108A
GENERAL INFORMATION:
APPLICANT: GU, Yonggang
APPLICANT: HANCEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANK, David R.
APPLICANT: SHANK, Wansheng
APPLICANT: SHANK, Wansheng
APPLICANT: SHANKON, Wansheng
APPLICANT: SHANKON, Wansheng
APPLICANT: SHANKON, WASIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PILING DATE: 2001-01-30
                                                                                                                                                                                         Gaps
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                                                                                                          Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 80; Matches 15; Conservative 0; Mismatches 2; Indels
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CURRENT FILING DATE: 2001-05-25
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Patent No. 6686188
SEQ 1D NO 9687
LENCTH: 17
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US-09-866-108A-9688/c
US-09-866-108B, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                271 AAGAAGCCAAGAAGAAG 287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    93 GAGAGTGGGCAGGTCCT 109
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; ORGANISM: Homo sapiens
US-09-866-108A-8664
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 15; Conserv
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RESULT 148
US-09-093-972C-944/C
US-09-093-972C-944, Application US/09093972C
; Sequence 944, Application US/09093972C
; Patent No. 6825174
; GENERAL INFORMATION:
; GENERAL INFORMATION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION
; TITLE OF INVENTION: CAPPOSITION, FORMULATIONS & INFLAMMATION
; REALIGED ALLOCATE OF DISEASES & CONDITIONS ASSOCIATED WITH BRONCHOCONSTRICTION, ALLERGY (IES) & INFLAMMATION
                                                COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION & TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WITH BRONCHOCONSTRICTION, ALLERGY(IES) & INFLAMMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
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                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: New Jersey
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ROBRESSEE: PRIGERESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/757,024
FILING DATE: 26-11-1996
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 09/016,464
FILING DATE: 30-January-1998
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: EPI-00672
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.8%; Score 13.8; E
88.2%; Pred. No. 80;
tive 0; Mismatches
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MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 874:
                         APPLICANT: Nyce, Jonathan W. TITLE OF INVENTION: COMPOSITION,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1530 GCCCAGCCTCTCCCCGC 1546
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TELEX: «Unknown»
INFORMATION FOR SEQ ID NO: 874:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                    SEQUENCES: 996
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 88.2°
Matches 15; Conservative
GENERAL INFORMATION:
                                                                                                                                                    NUMBER OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-093-972C-874
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: MCSWiggen, Jim
APPLICANT: StinchComb, Dan
APPLICANT: StinchComb, Dan
APPLICANT: StinchComb, Dan
APPLICANT: StinchComb, Dan
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
APPLICANTON: Mcthod and Reagent for Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor
FILE REFERENCE: MBHB00-876-K (400/021)
CURRENT APPLICATION NUMBER: US/09/685,664B
PRIOR APPLICATION NUMBER: US 06/005,974
PRIOR PRILING DATE: 1995-01-08
PRIOR PRILING DATE: 1995-01-08
PRIOR APPLICATION NUMBER: US 09/371,772
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                PRIOR PILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR FILING DATE: 2001-01-30

PRIOR PELING DATE: 2
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0.8%; Score 13.8; D

Best Local Similarity 88.2%; Pred. No. 80;

Matches 15; Conservative 0; Mismatches
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Pred. No. 80;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 3543, Application US/09685664B
Patent No. 6816447
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
   APPLICATION NUMBER: PCT/US01/00667
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-093-972C-874/c
; Sequence 874, Application US/09093972C
; Patent No. 6825174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4 ;
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SOFWARE: Patentin version 3.0
SEQ ID NO 3543
LENGTH: 17
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illarity 64.7%;
Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-9689
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mus musculus
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -09-685-664B-3543
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US-09-685-664B-3543
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Matches
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COMPUTER: IN COMPATIBLE
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/291,932A
FILING DATE: August 15, 1994
CLASSIFICATION DATA:
PRIOR APPLICATION NUMBER: 09/245,466
FILING DATE: DECEMBER: 09/245,466
FILING DATE: DECEMBER: 07/987,132
FILING DATE: DECEMBER: 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/157
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Stinchcomb, Dan T.
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Stinchcomb, Dan T.
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RIBATED TO LEVELS OF
TITLE OF INVENTION: RELATED TO LEVELS
TITLE OF TO LEV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 13.8; DE
Pred. No. 80;
0; Mismatches
   FILING DATE: 10 May 1994
ATTORNEX/AGENT INFORMATION:
NAME: Clark, Paul T.
REGISTRATION NUMBER: 30.162
REFERENCE/DOCKET NUMBER: 00786/221001
TELECOMMULICATION INFORMATION:
TELEPAX: (617) 542-5070
TELEPAX: (617) 542-8906
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 160, Application US/08291932A
Patent No. 5658780
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 0.8%; Scc
Best Local Similarity 88.2%; Pre
Matches 15; Conservative 0;
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67-3510
                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: singl
TOPOLOGY: linear
PCT-US95-05812-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-291-932A-160
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COMPUTER READABLE FORM:

MEDIUM TYPES FALOPY disk

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/093,972C

FILING DATE: 09-Jun-1998

CLASSIFICATION NUMBER: US 08/472,527

FILING DATE: 7-June-1995

APPLICATION NUMBER: US 08/757,024

FILING DATE: 7-June-1996

APPLICATION NUMBER: US 08/757,527

FILING DATE: 7-June-1996

APPLICATION NUMBER: US 09/016,464

FILING DATE: 30-January-1998

ATTORNEY/AGENT INFORMATION:

NAME: NUMBER: US 09/016,464
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 80; Matches 15; Conservative 0; Mismatches 2; Indels
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PCT-US95-05812-21/C
Sequence 21, Application PC/TUS9505812
GENERAL INFORMATION:
APPLICANT: Wakita, Takaji
APPLICANT: Wakita, Takaji
APPLICANT: Wands, Jack
TILLE OF INVENTION: ANTISENSE INHIBITION OF
TILLE OF INVENTION: HEPATITIS C VIRUS
NUMBER OF SEQUENCES: 38
CORRESPONDENCE ADDRESS:
ADDRESSE: ADDRESSE:
ADDRESSE: Rish & Richardson
STREET: 225 Franklin Street
CITY: Boston
STREET: 225 Franklin Street
COUNTRY: U.S.A.
CONTRY: U.S.A.
APPLICATION NOWER: IBM PS/2 Model 502 or 55SX
OPERATING SYSTEM: WORDPERCECT (Version 5.0)
SOFTWARE: WORDPERCECT (Version 5.1)
CURRENT APPLICATION NUMBER: PCT/US95/05812
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-00672
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 944:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: 609-409-3035
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1530 GCCCAGCCTCTCCCCGC 1546
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: 413-254-9245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO: 944: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
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1076 GCTGCTAAAGTCCTA 1090
                 ; ORGANISM: Homo sapiens
US-09-081-646-174
TYPE: DNA
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; Sequence 174, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
    APPLICANT: Kanneth
    APPLICANT: Abrication, Bert
    APPLICANT: Zhang, Lin
    APPLICANT: Zhang, Lin
    TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
    TITLE OF INVENTION: Cancer Cells
    TITLE OF INVENTION: Cancer Cells
    TITLE OF INVENTION: Cancer US/09/081,646
    CURRENT APPLICATION NUMBER: US/09/081,646
    CURRENT FILING DATE: 1998-05-20
    EARLIER APPLICATION NUMBER: 60/047,352
    SARLIER PILING DATE: 1997-05-21
    NUMBER OF SEQ ID NOS: 871
    SOFTWARE: FastSEQ for Windows Version 3.0
    SEQ ID NO 174
    LENGTH. 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                 Gaps
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US-09-180-437-151
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0.8%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 71;
Matches 14; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-180-437-151/c

Squence 151, Application US/09180437

Patent No. 6251873

GENERAL INFORMATION:

APPLICANT: FUKUSARO, Shioji

APPLICANT: WORSYAM, Yoshifumi

APPLICANT: MORUYAMA, Takeshi

TITLE OF INVENTION: Antisense Compounds to CD14

FILE REFERENCE: 1110-209P

CURRENT APPLICATION NUMBER: US/09/180, 437

CURRENT APPLICATION NUMBER: 1909-09318 JARLIER FILING DATE: 1998-11-06

BARLIER APPLICATION NUMBER: 09-05318 JARN

BARLIER FILING DATE: 1997-03-07

NUMBER OF SEQ ID NOS: 289

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 151

LENGTH: 15
                                                                                                                                                                                                                                                                                              1507 CCAGCCTCCAGGCCC 1521
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     ; INFORMATION FOR SEQ ID NO: ;
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDENDESS: single
; TOPOLGY: linear
US-08-291-932A-160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-081-646-174/c
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Sequence 75, Application US/09736116

Patent No. 6727085

GENERAL INFORMATION:
APPLICANT: Sejeragard, Tina
APPLICANT: Mikkelsen, Frank
TITILE OF INVENTION: Subtilase variants having an improved wash peformance on egg stall
FILE REPERENCE: 6108-410
CURRENT APPLICATION NUMBER: US/09/736,116
CURRENT FILING DATE: 2001-05-24
NUMBER OF SEQ ID NOS: 105
SOFTWARE: PatentIn version 3.0
SEQ ID NO 75
LENGTH: 15
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US-09-081-646-783/C
US-09-081-646-783/C

Sequence 783, Application US/09081646

Jabtent No. 6333152

APPLICANT: Kinzler, Kenneth

APPLICANT: Vogelstein, Bert

APPLICANT: Zhang, Lin

APPLICANT: Zhou, Wei

TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and

TITLE OF INVENTION: Cancer Cells

FILE REFERENCE: 01107, 74664

CURRENT FILING DATE: 1999-05-20

EARLIER APPLICATION NUMBER: 60/047,352

EARLIER FILING DATE: 1999-05-21

NUMBER OF SEQ ID NOS: 871

SOFTWARE: FastSEQ for Windows Version 3.0

TENDON: 1997-05-11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 1; Length 15;
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                                          Indels
  Length
Query Match

0.8%; Score 13.4; DB 1;
Best Local Similarity 93.3%; Pred, No. 71;
Matches 14; Conservative 0; Mismatches 1;
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93.3%; Pred. No. 71;
tive 0; Mismatches
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      807 GCTCAGCAGGCCATG 821
                                                                                       807 GCTCAGCAGGCCATG 821
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Best Local Similarity 93.33
Matches 14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA

) ORGANISM: Homo sapiens

US-09-081-646-783
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Jos-09-034-205-68

Jeatence 68, Application US/09034205

Patent No. 6194149

GENERAL INFORMATION:

APPLICANT: Lyamichev, Victor I.

APPLICANT: Brow, Mary Ann D.

APPLICANT: Fors, Lance

APPLICANT: Neri, Bruce P.

TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING

TITLE OF INVENTION: STRUCTURE-BRIDGING OLIGONUCLEOTIDES

NUMBER OF SEQUENCES: 68

CORRESPONDENCE ADDRESS:

ADDRESSER: MEDLEN & CARROLL, LLP

STREET: 220 Montgomery Street, Suite 2200

CITY: San Francisco

STATE: CA

COUNTRY: USA

ZIP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 16;
TITLE OF INVENTION: STRUCTURE-BRIDGING OLIGONUCLEOTIDES NUMBER OF SEQUENCES: 68
CORRESPONDENCES: ADDRESS:
ADDRESSEE: MEDLEN & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
APPLICATION NUMBER: US/09/034,205
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: FORS-03268
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEPAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 671:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/034,205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: MACKLIGHL, KAMLIN T.
REGISTRATION NUMBER: 38,230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1508 CAGCCTCCAGGCCCC 1522
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ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 16 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 14; Conserv
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                                                                                                                                                        STATE: C. COUNTRY:
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                                                                                                                                                                     GENERAL IN INFORMATION:
APPLICANT: WANG, C. -G.
APPLICANT: HEPBUNG, A. G.
APPLICANTION: TRIPLE-STRAND FORWATION.
ADDRESSPONDENCES: 3.65
ADDRESSPONDENCES: ADDRESS:
ADDRESSPONDENCES: ADDRESS;
ADDRESSPONDENCE ADDRESS;
ADDRESSPONDENCE ADDRESS;
ADDRESSPONDENCE ADDRESS;
ADDRESSPONDENCE ADDRESS;
ADDRESSPONDENCE ADDRESS;
ATTALE: NEW YORK
STRATE: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: other nucleic acid
DESCRIPTION: third strand derived from dystrophin
DESCRIPTION: sequence region in Seq ID No. 586124431
HYPOTHETICAL: Yes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 67, Application US/09034205
Patent No. 619419
GENERAL INFORMATION:
APPLICANT: Lyamichev, Victor I.
APPLICANT: Brow, Mary Ann D.
APPLICANT: Paris Lance
APPLICANT: Next, Lance
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                32 :FROM 1 TO 16
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MEDIUM TYPE: 3.5 inch, 1.44Mb storage
COMPTER: 1BM PC/XT/AT
OPERATING SYSTEM: MS-DOS version 6.2
SOFTWARE: Wordperfect Version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/173,489C
FILING DATE: 22 DEC 1993
CLASSIFICATION DATA:
PILING DATE: 22 DEC 1993
CLASSIFICATION DATA:
APPLICATION NUMBER: US/08/136
FILING DATE: 29 OCT 1992
ATTORNEY/AGENT INFORMATION:
NAME: Handelman, Joseph H.
REGISTRATION NUMBER: US/199
REFERENCE/DOCKET NUMBER: US/199
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEBRANGE (ALCOTTREY) (212) 246-8959
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 bases
TYPE: Nucleic Acid
TYPE: Nucleic Acid
TYPE: Nucleic Acid
TOWNEY: ALCOTTREY INFORMATION CATOLOGY: Innear
                                                                                                  US-08-173-489C-32/c
; Sequence 32, Application US/08173489C
; Patent No. 5861244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ANTI-SENSE: NO
PUBLICATION INPORMATION:
RELEVANT RESIDUES IN SEQ ID NO:
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        15 GCTGTTAAAGTCCTA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   USA
                                                                                                                                                                                                                                                                                                                                                                                                                                         STATE: NEW COUNTRY: US ZIP: 10021.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-173-489C-32
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Gaps

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Query Match 0.8%; Score 13.4; DB 1; Length 16; Best Local Similarity 93.3%; Pred. No. 81; Matches 14; Conservative 0; Mismatches 1; Indels
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APPLICATION DATA:
APPLICATION NUMBER: US/09/677,218B
FILING DATE: 02-0ct-2000
CLASSIFICATION TOWNER: US/09/677,218B
FILING DATE: 040MCOMPANION:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 09/034,205
FILING DATE: cUNKNOWN-
ATTORNEY/AGENT INFORMATION:
NAME: MACKNIGHT, KAMATIN T.
REFERENCE/DOCKET NUMBER: 38,230
REFERENCE/DOCKET NUMBER: 70.306
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 0.8%; Score 13.4; D
Best Local Similarity 93.3%; Pred. No. 81;
Matches 14; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLEN & CARROLL, LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            )

DESCRIPTION: /desc = "DNA"

SEQUENCE DESCRIPTION: SEQ ID NO: 68:
US-09-677-218B-68
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MOLECULE TYPE: other nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 160
US-09-677-192-67
; Sequence 67, Application US/09677192
; Patent No. 6358691
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                 Sequence 68, Application US/09677218B Patent No. 6355437 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1508 CAGCCTCCAGGCCCC 1522
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: San Francisco
                                                                                                                                                                                   2 CAGCCTCCAGGACCC 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE: CA
                                                                                                                                                                                                                                                                                              US-09-677-218B-68
                                                                                                                                                                                                                                                                  RESULT 159
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COMPUTER: B4104

COMPUTER: READBLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: Floppy disk
COMPUTER: Floppy disk
COMPUTER: Floppy disk
COMPUTER: Day PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATE:
APPLICATION NATE: US/9/677,218B
FILING DATE: 02-Oct-2000
CLASSIPTCATION TOTA
PRIOR APPLICATION NUMBER: 09/034,205
FILING DATE: CUNKNOWN-
ATTONEY/AGENT INFORMATION:
NAME: MacKnight, Kamrin T.
REGISTRATION NUMBER: 38,230
REFERENC/DOCKET NUMBER: 38,230
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEPHONE: (415) 705-8410
TELEPHONE: (415) 705-8410
TELEPHONE: (415) 705-8410
TELERAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 67:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Lyamichev, Victor I.
Brow, Mary Ann D.
Fors, Lance
Neri, Bruce P.
TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
STRUCTURE-BRIDGING OLIGONUCLEOTIDES
                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
0.8%; Score 13.4; DB 1; Length 16;
Best Local Similarity 93.3%; Pred. No. 81;
Matches 14; Conservative 0; Mismatches 1; Indels
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ADDRESSE: MEDLEN & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: CA
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MOLECULE TYPE: other nucleic acid

BESCRIPTION: /desc = "DNA"

SEQUENCE DESCRIPTION: SEQ ID NO: 67:
US-09-677-218B-67
                                                                FORS-03268
NAME: MacKnight, Kamrin T.
REGISTRATION NUMBER: 38,230
REBERENGE/DOCKET NUMBER: FORS-0326
TELECHONE: (415) 705-8410
TELEPAX: (415) 397-8338
INFORMATION: (58: 5EQUENCE CHARACTERISTICS: LENGTH: 16 base pairs
TYPE: mucleic acid
TYPE: mucleic acid
STRANDEDNESS: single
TYPE: mucleic acid
TYPE: nucleic acid
TYPE: nucleic acid
TYPE: nucleic acid
STRANDEDNESS: single
TYPE: nucleic acid
TYPE: nucleic acid
TYPE: nucleic acid
STRANDEDNESS: single
TYPE: nucleic acid
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LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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US-09-677-218B-67
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                                                                                                                                                                                  APPLICANT: Lyamichev, Victor I.
Brow, Mary Ann D.
Fors, Lance
Neri, Bruce P.
TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 1; Length 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
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Fors, Lance
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Best Local Similarity
Matches 14; Conserv
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APPLICANT: Brow, Mary Ann D.
APPLICANT: Brow, Mary Ann D.
APPLICANT: Brow, Mary Ann D.
APPLICANT: Fore, Lance
APPLICANT: Fore, Lance
TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING
TITLE OF INVENTION: OLIGONUCLEOTIDES
FILE REFERENCE: FORS-04708
CURRENT APPLICATION NUMBER: US/09/677,192
FILE REFERENCE: 1998-03-03
FILE REFERENC
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                                                                                                                                TITLE OF INVENTION: TRAGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING TITLE OF INVENTION: OLIGONUCLEOTIDES FILE REPERSENCE: PORS-04708
CURRENT APPLICATION NUMBER: 05/09/677,192
CURRENT PILING DATE: 2000-10-02
PRIOR PPLICATION NUMBER: 09/034,205
PRIOR FILING DATE: 1998-03-03
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin Ver. 2.0
LENGTH: 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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0.8%; Score 13.4; DB 1; Length 16;
Best Local Similarity 93.3%; Pred. No. 81;
Matches 14; Conservative 0; Mismatches 1; Indels
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Patent No. 6358691
Lyamichev, Victor I.
Brow, Mary Ann D.
Fors, Lance
Neri, Bruce P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Dong, Fang
APPLICANT: Lyamichev, Victor
APPLICANT: Frudent, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 93.3
Matches 14; Conservative
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US-09-677-192-68
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APPLICANT: Dahlberg, James
TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleoti
TITLE REFERENCE: FORS-04012.
CURRENT APPLICATION NUMBER: US/09/402,618B
CURRENT FILING DATE: 2000-07-18
PRIOR APPLICATION NUMBER: PCT/US98/03194
PRIOR FILING DATE: 1998-05-05
NUMBER OF SEQ ID NOS: 128
SOFTWARE: ParentIn version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Dahlberg, James
TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleota
FILE REPERENCE: FORS-04012
CURRENT APPLICATION NUMBER: US/09/402,618B
CURRENT FILING DATE: 2000-07-18
PRIOR APPLICATION NUMBER: PCT/US98/03194
PRIOR FILING DATE: 1998-05-05
NUMBER OF SEQ ID NOS: 128
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93.3%; Pred. No. 81
tive 0; Mismatche
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US-08-796-031-1/c
; Sequence 1, Application US/08796031
; Sequence 1, Application US/08796031
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SEQ ID NO 68
LENGTH: 16
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                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Artificial Sequence
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CTHER INFORMATION: Synthetic
US-09-402-618B-67
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APPLICANT: Lyamichev, Victor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Prudent, James
Fors, Lance
Nori, Bruce
Brow, Mary Ann
Anderson, Todd
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Brow, Mary Ann
Anderson, Todd
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RESULT 166
US-08-985-090-23/C
; Sequence 23, Application US/08985090
; Patent No. 5888593;
; GENERAL INFORMATION:
; APPLICANT: Andrew D.J. Goodearl
; TITLE OF INVENTION: MUSCARINIC RECEPTORS AND USES THEREFOR
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.8%; Score 12.8; DB 1; Length 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/985,090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 0.8%; Score 13; DB Best Local Similarity 100.0%; Pred. No. 71; Matches 13; Conservative 0; Mismatches
                                                                                                                       REFERENCE/DOCKET NUMBER: 33,880
REFERENCE/DOCKET NUMBER: 213/015-CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: 714-525-3433
TELEFAX: 714-525-3303
TELEEX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Jean M. Silveri
REGISTRATION NUMBER: 39,030
REFERENCE/DOCKET NUMBER: 30,030
REFERENCE/DOCKET NUMBER: MI-032
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)742-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
                        PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/561,302
FILING DATE: I January 1997
ATTORNEY/AGENT INFORMATION:
NAME: Fish, Robert D.
REGISTRATION NUMBER: 33,880
                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1239 GTTCCTTCCGGTG 1251
                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: 28 CLTY: Boston
CITY: Boston
STATE: Massachusetts
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STRANDEDNESS: sing
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    CLASSIFICATION:
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APPLICANT: Zbigniew Pietrzkowski, Gordana Olbina and Dariusz Cieslak TITLE OF INVENTION: Inhibition of Tumor Growth by Antisense TITLE OF INVENTION: Oligonuclectides for Il-8 and Il-8 Receptor NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSED: Crockett & Fish
STREET: 3000 S. Augusta Court
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Zbigniew Pietrzkowski, Gordana Olbina and Dariusz Cieslak
TITLE OF INVENTION: Inhibition of Tumor Growth by Antisense
TITLE OF INVENTION: Oligonucleotides for 11-8 and 11-8 Receptor
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Crockett & Fish
STREET: 3000 S. Augusta Court
CITY: La Habra
STREET: Antied States of America
ZIP: 90631
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 0.8%; Score 13; DB Best Local Similarity 100.0%; Pred. No. 71; Matches 13; Conservative 0; Mismatches
                                                                                                                                                    CITY: La Habra
STATE: California
COMPREN: United States of America
ZIP: 90631
COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/796,031
FILING DATE: January 1997
CLASSIFICATION STA
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/561,302
FILING DATE:
APPLICATION NUMBER: 33,880
REGISTRATION NUMBER: 33,880
REGISTRATION INFORMATION:
NAME: Fish, Robert D.
REGISTRATION INFORMATION:
TELEPHONE: 714-525-3333
THELEPAK: 714-525-3333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/055,913
FILING DATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
US-08-796-031-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: 1: SEQUENCE CHARACTERISTICS: LENGTH: 14 base pairs TYPE: nucleic acid STRANDEDNESS: unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1239 GTICCTICCGGTG 1251
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Gaps

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US-08-757-024-882
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                   Gaps
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                 2; Indels
                                                                                                                     RESULT 167
US-08-757-024-875/C
is Sequence 875, Application US/08757024
; Patent No. 6025339
; GENERAL INFORMATION:
; TILLE OF INVENTION:
; TILLE OF INVENTION: METHOD OF TREATMENT FOR ASTHMA NUMBER OF SEQUENCES: 952
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BELL, SELTZER, PARK & GIBSON
; STREET: P.O. Drawer 34009
; CITY: Charlotte
; STATE: No. 6025339th Carolina
COUNTRY: USA
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,024
FILING DATE: 26-NOV-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
 87.5%; Pred. No. 99; ative 0; Mismatches
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0.8%; Score 12.8; I
Best Local Similarity 87.5%; Pred. No. 99;
Matches 14; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Sibley, Kenneth D.
REGISTRATION NUMBER: 31,665
REFERENCE DOCKET NUMBER: 5218-41
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-881-3140
TELEFAX: 919-881-3175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-757-024-875
                                                 72 GIGGGCTGCTGCTGA 87
                                                                                 16 gradadczaczecza 1
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INFORMATION FOR SEQ ID NO: 8
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
Best Local Similarity 87.5
Matches 14; Conservative
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; Sequence 945, Application US/08757024
; Patent No. 6025339
; Patent No. 6025339
; Patent No. 6025339
; APPLICANT: Nyce, Jonathan W.
TITLE OF INVENTION: METHOD OF TREATMENT FOR ASTHMA; NUMBER OF SEQUENCES: 952
; CORRESPONDENCE ADDRESS:
ADDRESSEE: BELL, SELTZER, PARK & GIBSON STREET: P.O. Drawer 34009
; CITY: Charlotte
; STATE: No. 6025339th Carolina; STATE: USA
                                                                                              OPERATING SYSTEM: PC-LUCS/MS-LUCS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,024
FILING DATE: 26-NOV-1996
CLASSIPICATION: 514
ATTONEY/AGENT INFORMATION:
NAME: Sibley, Kenneth D.
REGISTRATION NUMBER: 31,665
REFERENCE/DOCKET NUMBER: 31,665
REJERAK: 919-881-3176
TELEFAK: 919-881-3175
TELEFAK: 919-881-3175
TELEFAK: 575102
INFORMATION FOR SEQ ID NO: 882:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
STRANDEDNESS: single
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MEDIUM TYPE: Floppy disk.
COMPUTER: IBM PC compatible
COMPOTER: IBM PC compatible
COMPOTER: IBM PC compatible
COMPOTER: IBM PC compatible
COMPOTER: IBM PC compatible
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,024
FILING DATE: 26-NOV-1996
CLASSTICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: SIDIEV, Kenneth D:
NAME: SIDIEV, Kenneth D:
REGISTRATION NUMBER: 31,665
REGISTRATION NUMBER: 5218-41
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 1190RWATION:
TELECOMMUNICATION 1190RWATION:
TELEFRAX: 919-881-3175
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COMPUTER READABLE FORM:
MEDIUM TYPE: FLORDY disk
COMPUTER: IBM PC COMPALIble
OPERATING SYSTEM: PC-DOS/MS-DOS
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Best Local Similarity 87.5%;
Matches 14; Conservative
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TELEX: 575102
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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STRANDEDNESS: single
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Sequence 875, Application US/09093972C
; Sequence 875, Application US/09093972C
; Patent No. 6825174
; GENERAL INFORMATION:
    APPLICANT: Nyce, Jonathan W. TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION & TITLE OF INVENTION: COMPOSITION, PORMULATIONS ASSOCIATED WILD BRONCHOCONSTRICTION, ALLERGY(IES) & INFLANMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 1; Length 16;
Juli Skott, Thomas A.

APPLICANT: Young, Scott A.

APPLICANT: Folkerts, Otto

APPLICANT: Merlo, Donald J.

ITLE OF INVENTION: MODULATION OF GENE EXPRESSION

ITLE OF INVENTION: IN PLANTS

ITLE OF INVENTION: IN OUTLANTS

ITLE OF INVENTION: IN ADDITION

ITLE OF INVENTION: IN ADDITION

ITLE OF ADDRESSE: IN A WORLD AND ADDRESSE: 
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CORRESPONDENCE ADDRESS:
ADDRESSEE: PERGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.8%; Score 12.8; Di
52.5%; Pred. No. 99;
ive 4; Mismatches
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ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
COMPUTER: USY DEATEM: DATA
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/679,645
FILING DATE: 3019 13, 1995
APPLICATION NUMBER: 06/001,135
FILING DATE: September 2, 1994
ATTORNEY AGENT INFORMATION:
NAME: Warburg, Richard J.
NAME: Warburg, Richard J.
REFERENCE/DOCKET NUMBER: 21,9247
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAN: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          666 CTGCCTTCAGCCTGC 681
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Best Local Similarity 62.5%;
Marches 10; Conservative
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COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        linear
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TOPOLOGY:
US-08-679-645-523
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Andrew D.J. Goodearl and Sandra Glucksman
TITLE OF INVENTION: Muscarinic Receptors and Uses Therefor
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 0.8%; Score 12.8; DB 1; Length 16; Best Local Similarity 87.5%; Pred. No. 99; Matches 14; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                          0.8%; Score 12.8; DB 1; Length 16; 87.5%; Pred. No. 99; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/165,543
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: 09/042,780
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Elizabeth A. Hanley
REGISTRATION NUMBER: 33,505
REFERENCE/DOCKET NUMBER: MNI-032CP
TELEPONMUNICATION INFORMATION:
TELEFAX: (617)227-7400
TELEFAX: (617)24-7400
TELEFAX: (617)24-7400
TELEFAX: (617)24-7400
TELEFAX: (617)227-7400
TELEFAX: (617)24-7400
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Patent No. 6350934
GENERAL INFORMATION:
APPLICANT: Zwick, Michael G.
APPLICANT: McAnington, Brent E.
APPLICANT: McSwiggen, James A.
APPLICANT: McSwiggen, James A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 170
18-09-165-543-25/c
'Sequence 25, Application US/09165543
'Patent No. 6093545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1530 GCCCAGCCTCTCCCCG 1545
                                                                                                                                                                                                                                               DNA (genomic)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: 28 State Stre
CITY: Boston
STATE: Massachusetts
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Best Local Similarity
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                                                                                                                                                                                                                                           ; MOLECULE TYPE:
US-08-757-024-945
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 171
US-08-679-645-523
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Gaps

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Indels

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ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
                                                                                                                                                                                                                                                                                     TELEPHONE: 609-409-3035
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                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 16 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1530 GCCCAGCCTCTCCCCG 1545
                                                                                                                                                                                                                                                                                                                                 TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 882:
                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16 ścccaśccirejecce
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Cranbury
STATE: New Jersey
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 87.59
Watches 14; Conservative
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US-09-09-19-272C-882/C
US-09-09-272C-882, Application US/09093972C
; Sequence 882, Application US/09093972C
; Patent No. 6825174
; GENERAL INFORMATION:
; APPLICANT: Nyce, Jonathan W.
; APPLICANT: Nyce, Jonathan W.
; TITLE OF INVENTION: COMPOSITION, PORMULATIONS & METHOD FOR PREVENTION
; TITLE OF INVENTION: CAMPOSITION, ALLERGY(IES) & INFLAMMATION
;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRING APPLICATION DATE:
APPLICATION NUMBER: US/09/093,972C
FILING DATE: 09-Jun-1998
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1; Length 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/093,972C
FILING DATE: 09-Jun-1998
CLASSIFICATION: <UNKNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 996
CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
                                                                                                                                                                                                            PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/757,024
FILING DATE: 26-11-1996
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 09/016,464
FILING DATE: 30-January-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Amzel, Viviana
REGIGITMATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-00672
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 0.8%; Score 12.8; I
Best Local Similarity 87.5%; Pred. No. 99;
Matches 14; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear MOLECULE TYPE: DNA (genomic); SEQUENCE DESCRIPTION: SEQ ID NO: 875: US-09-093-972C-875
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEPHONE: 609-409-3035
                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: 413-254-9245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 16 base pairs
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SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16 cccheccrerecces 1
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STATE: New Jersey
COUNTRY: USA
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SENERL NO. DOLLY.
GENERAL INFORMATION:
APPLICANT: NYCE, JONATHAN W.
TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION
& TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WITH
BRONCHOCONSTRICTION, ALLERGY (IES) & INFLAMMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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MEDIUM TYBE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 996
CORRESPONDENCE ADDRESS:
ADDRESSE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 1;
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/757,024
FILING DATE: 26-11-1996
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 09/016,464
FILING DATE: 30-January-1998
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/757,024
FILING DATE: 26-11-1996
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 09/016,464
FILING DATE: 30-January-1998
                                                                                                                                                                                               NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-00672
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/09/093,972C
FILING DATE: 09-Jun-1998
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.8%; Score 12.8;
87.5%; Pred. No. 99;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear MOLECULE TYPE: DNA (genomic) SEQUENCE DESCRIPTION: SEQ ID NO: 882:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 174
US-09-093-972C-945/c
; Sequence 945, Application US/09093972C
; Patent No. 6822174
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Gaps

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GENERAL INFORMATION:
APPLICANT: Stuyver, Lieven
APPLICANT: Stuyver, Lieven
TITLE OF INVENTION: Method for detection of drug-selected mutations in the protease
TITLE OF INVENTION: gene
FILE REFERENCE: 11362.0030.PCUSO0 INNS:030
CURRENT APPLICATION NUMBER: US/09/720,435A
CURRENT APPLICATION NUMBER: PCT/EP99/04317
PRIOR APPLICATION NUMBER: PCT/EP99/04317
PRIOR FILING DATE: 1999-06-22
PRIOR FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 529
SOUTHARE: PatentIn version 3.2
SUBJUANT: 144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 65, Application US/08050073
; Sequence 65, Application US/08050073
; Patent No. 5567809
; GENERAL INFORMATION:
APPLICANT: Apple, Raymond J.
APPLICANT: Begovich, Ann B.
APPLICANT: Bugawan, Teodorica L.
APPLICANT: State of Houry A.
APPLICANT: State, Robert L.
APPLICANT: State, Stephen J.
TITLE OF INVENTION: Methods and Reagents for HLA DRBeta DNA TITLE OF INVENTION: Methods and Reagents for HLA DRBESSES.
ADDRESSEE: Hoffmann-La Roche Inc.
STREET: 340 Kingaland Street
CITY: Nutley
STREET: Nutley
COUNTRY: U.S.A.
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Query Match 0.8%; Score 12.4; DB 1; Length 14; Best Local Similarity 85.7%; Pred. No. 88; Matches 12; Conservative 1; Mismatches 1; Indel8
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/050,073
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.8%; Score 12.4; I
92.9%; Pred. No. 88;
ive 0; Mismatches
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STATE: New JOLL..
COUNTRY: U.S.A.
ZIP: 07110
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
"AMPUTER: IBM PC compatible
"AMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                 Sequence 172, Application US/09720435A Patent No. 6803187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA; CRGANISM: Aids-associated retrovirus US-09-720-435A-172
                                                                                                     1510 GCCTCCAGGCCCCC 1523
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ATTORNEY/AGENT INFORMATION:
NAME: Petry, Douglas A.
                                                                                                                              GCUCCAGGACCCC 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    37 GAATTGGAGGCATG 50
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Matches 13; Conserv
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Sequence 97, Application US/08650093C
Batent No. 6391542
GENERAL INPORMATION:
APPLICANT: Kevin P. Anderson et al.
TITLE OF INVENTION: Compositions And Methods For Treatment
Hepatitis C Virus-Associated Diseases
                                                                                                                                                                                                                                                                                                                                                                                                                       ö
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COMPUTER READABLE FORM:

MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
COMPUTER: IBM COMPATIBLE

OPERATING SYSTEM: Windows 95
SOFTWARE: WORDPERFECT 6.1 for Windows
CURRENT APPLICATION NDATA:

FILING DATE: 17-May-1996
CLASSIFICATION: <UNKNOWN>
                                                                                                                                                                                                                                                                                                                                                                  Query Match 0.8%; Score 12.8; DB 1; Length 16; Best Local Similarity 87.5%; Pred. No. 99; Matches 14; Conservative 0; Mismatches 2; Indels
                                                                                        TELEX: «Unknown)

INFORMATION FOR SEQ ID NO: 945:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
FYPE: nucleic acid
STRANDEDNESS: single
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 945:
US-09-093-972C-945
          REFERENCE/DOCKET NUMBER: EPI-00672
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/452,841
FILING DATE: May 30, 1995
APPLICATION NUMBER: 08/397,220
FILING DATE: March 9, 1995
APPLICATION NUMBER: 07/945,289
FILING DATE: September 10, 1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE DESCRIPTION: SEQ ID NO: 97:
US-08-650-093C-97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Jane Massey Licata
REGISTRATION UNDRER: 32,257
REFERENCE/DOCKET NUMBER: ISPH-
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: (609) 779-2400
TELEFAX: (609) 779-8488
                           TELECOMMUNICATION INFORMATION
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: LICATA & TYRR!
STREET: 66 E. Main Stree!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1530 GCCCAGCCTCTCCCCG 1545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: Nucleic Acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO: 97
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16 GCCCAGCCTGTGCCCG 1
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ANTI-SENSE: No
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                                                                                                                 RESULT 179

US-08-182-968A-422/C

; Sequence 422, Application US/08182968A
; Batent No. 5610054
; CENERAL INFORMATION:
TITLE OF INVENTION: METHOD AND REAGENT FOR TITLE OF INVENTION: USRS. 497
CORRESPONDENCE ADDRESS:
ADDRESSES: Lyon & Lyon
STREET: Suite 4700
CITY: Los Angeles
STREET: Suite 4700
CITY: Los Angeles
STREET: Suite 8700
CITY: Los Angeles
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
COMPUTER: IBM COMPATION
COMPATION NUMBER: 32,327
COMPATION NUMBER: 32,327
CREEDFHONE: (213) 955-0440
CTELEPHONE: (213) 955-0440
CTELEPHONE: CTARACTERISTICS:
COMPATION COMPATION: CTALACTERISTICS:
CREATION COMPATION: CTALACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1508 CAGCCTCCAGGCCC 1521
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-182-968A-422
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                                                                                                                                                                                                                                                                                                                                              Query Match 0.8%; Score 12.4; DB 1; Length 15; Best Local Similarity 92.9%; Pred. No. 1e+02; Matches 13; Conservative 0; Mismatches 1; Indels
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0.8%; Score 12.4; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1e+02;
Matches 12; Conservative 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 2, Application US/08182968A

Patent No. 5610054

GRUERAL INFORMATION:
APPLICANT: Draper, Kenneth G.
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: VIRUS REPLICATION
TITLE OF INVENTION: VIRUS REPLICATION
NUMBER OF SEQUENCES: 497
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/182,968A
FILING DATE: 13-JANUARY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: O7/882,888
FILING DATE: 14-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: WAEDLIGY, RICHARD 3.2,327
REFERENCE/DOCKET NUMBER: 205/277
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 969-1600
TELEPRA: (7-3510
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
REGISTRATION NUMBER: 35,321
REFERENCE/DOCKET NUMBER: 8769
TELECOMMUNICATION INPORMATION:
TELEPRAK: (510) 814-2974
TELEPRAK: (510) 814-2977
INFORMATION FOR SEQ ID NO: 65:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                              1074 GAGCTGCTAAAGTC 1087
                                                                                                                                                                                                                                                TOPOLOGY: linear MOLECULE TYPE: genomic DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     single
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STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              linear
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TOPOLOGY:
US-08-182-968A-2
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US-08-182-968A-2
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0.8%; Score 12.4; DB 1; Length 15;
Best Local Similarity 71.4%; Pred. No. 1e+02;
Matches 10; Conservative 3; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-363-240A-528

Sequence 528, Application US/08363240A
Fatent No. 5705388
Fatent No. 5705388
GENERAL INFORMATION:
APPLICANT: Couture, Larry
APPLICANT: McSwiggen, James
APPLICANT: Biggien, James
APPLICANT: Pape, Michael
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: PROGRESSION AND REGRESSION
TITLE OF INVENTION: PROGRESSION AND REGRESSION
TITLE OF INVENTION: OF VASCULAR DISEASES
NUMBER OF SEQUENCES: 1243
CORRESPONDENCE ADDRESS:
ADDRESSE: Lyon & Lyon
STREET: Saite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/363,240A
PRIOR DATE: December 23, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
PRIOR APPLICATION NUMBER:
PRIOR APPLICATION NUMBER:
               PRIOR APPLICATION DATA:

APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 210/096
TELEPHONE: (213) 489-1600
TELEPHONE: (213) 955-0440
TELEPAX: (213) 955-0440
TELEPX: (7-3510
INFORMATION FOR SEQ ID NO: 237:
SEQUENCE CHARACTERISTICS:
EMENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNES: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 90071
COMPUTER READBLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFRENCE/DOCKET NUMBER: 210/
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1309 TAGAAGTCTCCAGG 1322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 UAGAAGUCUCCAAG 14
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                     ;
TOPOLOGY: linear
US-08-363-240A-237
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 0.8%; Score 12.4; DB 1; Length 15; Best Local Similarity 92.9%; Pred. No. 18+02; Matches 13; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 337, Application US/08363240A

Sequence 337, Application US/08363240A

Fatent No. 5705388

GENERAL INFORMATION:

APPLICANT: Couture, Larry

APPLICANT: Bisgaler, Charles

APPLICANT: Bisgaler, Charles

APPLICANT: Pape, Michael

TITLE OF INVENTION: PREVENTION, INHIBITION OF

TITLE OF INVENTION: PROGRESSION AND REGRESSION

TITLE OF INVENTION: OF VASCULAR DISEASES

CORRESSONDENCE ADDRESS: 1243

CORRESSONDENCE ADDRESS: 1243

CORRESSONDENCE ADDRESS: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: ADDRESSES: Lyon & Lyon

STREET: 633 West Pifth Street

STREET: 634 West Pifth Street

STREET: Galifornia

CONTRY: U.S.A.

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                                                                                                                                                                 MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/182,968A
FILING DATE: 13-JANUARY-1994
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 07/882,888
FILING DATE: 14-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 205/277
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION FOR SEQ ID NO: 423:
SEQUENCE CHRACTERISTICS:
LENGTH: 15
                                                                                                        ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
PAPLICATION NUMBER: US/08/363,240A
FILING DATE: December 23, 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   870 ATACGAGAGGCGA 883
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ||||||| |||||||
14 ATACGATAAGGCGA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
STREET: Sulce CITY: Los Angeles
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; TOPOLOGY: 1
US-08-182-968A-423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 181
US-08-363-240A-237
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APPLICANT: Couture, Larry
APPLICANT: Couture, Larry
APPLICANT: McSwiggen, James
APPLICANT: Bisgaler, Charles
APPLICANT: Pape, Michael
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: PROGRESSION AND REGRESSION
TITLE OF INVENTION: PROGRESSION AND REGRESSION
TITLE OF INVENTION: OF VASCULAR DISEASES
NUMBER OF SEQUENCES: 1243
CORRESPONDENCE ADDRESS:
ADDRESSE: Lyon & Lyon
STREET: 633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READBLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IRM Compatible
OPERATING SYSTEM: IRM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/363,240A
FILING DATE: December 23, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                 US-08-363-240A-724/c
; Sequence 724, Application US/08363240A
; Patent No. 5705388
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         210/096
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sequence 533, Application US/08311486C
; Patent No. 5811300
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
ATORNEY/AGENT INFORMATION:
NAME: WATDLING, RICHARD
REGISTRATION NUMBER: 32,327
REFRENCK/DOCKET NUMBER: 210/
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 724:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1471 CAGAGAGAGCTCTG 1484
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                              CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 13; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TOPOLOGY: linear
US-08-363-240A-724
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US-08-311-486C-533/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX:
TELEX: 67
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                                                                                                 Score 12.4; DB 1; Length 15;
Pred. No. 1e+02;
2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.8%; Score 12.4; DB 1; Length 15; 78.6%; Pred. No. 1e+02; ive 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                           Sequence 5.29, Application US/08363240A
Patent No. 5705388
GENERAL INFORMATION:
APPLICANT: Couture, Larry
APPLICANT: Biggaier, Charles
APPLICANT: Breader, Charles
APPLICANT: Pape, Michael
TITLE OF INVENTION: PREVENTION, INHIBITION OF
TITLE OF INVENTION: PROGRESSION AND REGRESSION
TITLE OF INVENTION: OF VASCULAR DISEASES
NUMBER OF SEQUENCES: 1243
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: Lyon & Lyon STREET: 633 West Fifth Street STREET: Suite 4700 CITY: Los Angeles STATE: California COUNTRY: U.S.A. ZIP: 90071 COMPUTER READABLE FORM: MEDIUM TYPE: 3.5" Diskette, 1.44 Mb MEDIUM TYPE: Storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM Compatible
COPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/363,240A
FILING DATE: December 23, 1994
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 210/096
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 529:
SEQUENCE CHARACTERISTICS:
                                                                                                   Query Match
Best Local Similarity 78.6%;
Matches 11; Conservative
                                                                                                                                                                                       841 CGGCCTTCCAGCAC 854
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         841 CGGCCTTCCAGCAC 854
                                                                                                                                                                                                               2 cgcccuccagcgc 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 78.6
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TYPE: nucleic acid
                                       linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          linear
               STRANDEDNESS:
TOPOLOGY: lind
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-363-240A-529
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ö Gaps ö 0.8%; Score 12.4; DB 1; Length 15; 92.9%; Pred. No. 1e+02; Indels APPLICANT: Sean Sullivan
APPLICANT: Kenneth Draper
APPLICANT: Kevin Kisaich
APPLICANT: Kevin Kisaich
APPLICANT: James McSwiggen
TITLE OF INVENTION: BIBOZYME TREATMENT OF
TITLE OF INVENTION: BISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: TNF-' 0; Mismatches

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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-452-724A-30/c

Sequence 30, Application US/08452724A

Sequence 30, Application US/08452724A

Patent No. 5830650

GENERAL INFORMATION:
APPLICANT: Crea, Roberto

ITILE OF INVENTION: Walk-Through Mutagenesis

NUMBER OF SEQUENCES: 59

CORRESPONDENCE ADDRESS:
ADDRESSE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: 2 Militia Drive

CITYT: Learington

STREET: Amiltia Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CUMINIX: USA

CIP: USA

COMPUTER READABLE FORM:

MEDIUM TYPE: Ploppy disk

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/452,724A

FILING DATE: 30-MAY-1995

CLASSIFICATION: 435

PRICASIFICATION DATA:

APPLICATION NUMBER: US 07/930,600

FILING DATE: 05-APR-1991

PRICATION NUMBER: PCT/US91/02362

FILING DATE: 05-APR-1991
              ZIP: 90071-2066

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Derfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,486C
FILING DATE: September 23, 1994
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: 08/000,895
FILING DATE: January 19, 1992
APPLICATION NUMBER: 07/989,849
FILING DATE: January 19, 1992
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: WARDING, RICHARD 6.
TELEPHONE: (213) 489-160
TELEPHONE: (213) 955-0440
TELERAX: (213) 955-0440
TELERAX: 67-3510
NUMPER: SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: NUCLEIC acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                371 CCTCTGGGAAGAGT 384
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               15 cercaggaagagr 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TOPOLOGY: linear
US-08-311-486C-687
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 187
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NUMBER OF SEQUENCES: 1157

CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: california
COUNTY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,486C
FILING DATE: September 23, 1994
CLASSIFICATION DATA: Including application
PRIOR APPLICATION DATA: Gescribed below:
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
APPLICATION NUMBER: 209/166
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 209/166
TELEPHONE: (213) 955-0440
TELEPHONE: (213) 955-0440
TELEPHONE: (213) 955-0440
TELERX: 67-3510
INPORMATION FOR ENG ID NO: 533:
LENGTH: 15 base pairs
TELENGTH: 15 base pairs
TELENGTH: 15 base pairs
TELENGTH: 11 base pairs
TENDONALY: 11 near
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Sequence 687, Application US/08311486C
Sequence 687, Application US/08311486C
Sequence 687, Application US/08311486C
Sequence 687, Application US/08311486C
SEQUENCE Sean Sullivan
APPLICANT: Sean Sullivan
APPLICANT: Kenneth Draper
APPLICANT: Wanneth McSwigen
APPLICANT: Dan T. Stinchcomb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1391 GGAGTGAGATGTGG 1404
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Matches 13; Conservative
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STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-311-486C-533
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Gaps
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Pred. No. 1e+02;
                                        Length 15
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                                     Score 12.4; DB 1;
Pred. No. 1e+02;
                                                                                                                                                                                                                                        RESULT 189
US-08-774-306A-422/C
; Sequence 422, Application US/08774306A
; Patent No. 5869253
; GENERAL INFORMATION:
APPLICANT: Draper, Kenneth G.
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: VIRUS REPLICATION
NUMBER OF INVENTION: VIRUS REPLICATION
NUMBER OF SEQUENCES: 497
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                   1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM COURDATISION OPERATING SYSTEM: IBM P.C. DOS 5.0 SOFTWARE: World Perfect 5.1 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/774,306A FILING DATE: December 26, 1996 PRIOR APPLICATION NUMBER: 08/182,968 FILING DATE: January 13, 1994 APPLICATION NUMBER: 07/882,888 FILING DATE: MAY 14, 1992 ATTORNEY/AGENT INFORMATION: NAME: WAFDLEY, RICHARD J. REGISTRATION NUMBER: 32,32,2727
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: S.5" Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 190
US-08-774-306A-423/c
; Sequence 423, Application US/08774306A
; Patent No. 5865253
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 2:
TELECOMMUNICATION INFORMATION
TELEPHONE: (213) 489-1600
                                     Query Match
Best Local Similarity 85.7%;
Matches 12; Conservative
                                                                                                                                  1508 CAGCCTCCAGGCCC 1521
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  870 ATACGAGAAGGCGA 883
                                                                                                                                                          2 CAGCCUCCAGGACC 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             15 ATACGATAAGGCGA 2
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Best Local Similarity 92.9
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TOPOLOGY: 1
US-08-774-306A-422
US-08-774-306A-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                   .e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: Draper, Kenneth G.
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: INHIBITING HEPATITIS C
TITLE OF INVENTION: URUS REPLICATION
NUMBER OF INVENTION: URUS REPLICATION
CORRESPONDENCE: 497
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Sulte 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SIKEALI SULCE 4,000
CITY: LOS ADGELES
STATE: California
COUNTY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 8.0-2096
COMPUTER: IBM COMPACIBLE
COMPUTER: 1BM COMPACIBLE
APPLICATION NUMBER: 05/1996
FILING DATE: January 13, 1994
APPLICATION NUMBER: 07/882,968
FILING DATE: MAY 14, 1992
ATTORNEY/AGENT INFORMATION:
NAME: MAEDIUGY, RICHARD 3.
REGISTRATION NUMBER: 32,327
TELECOMMUTCATION NUMBER: 32,327
TELECOMMUTCATION NUMBER: 32,327
TELECOMMUTCATION NUMBER: 32,327
              APPLICATION NUMBER: US 07/505,314
FILING DATE: 05-APR-1990
ATTORNEY, AGENT INFORMATION:
NAME: BROOK ESG., David E.
REGISTRATION NUMBER: 22,592
REFERENCE/DOCKET NUMBER: RC90-01AZ
TELECOMMUNICATION INFORMATION:
TELEPAN: (617) 861-9540
TELEPAN: (617) 861-9540
INFORMATION FOR SEQ ID NO: 30: SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: SINGle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 2, Application US/08774306A Patent No. 5869253
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1303 TCCCTGTAGAAGTC 1316
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TELEFAX: (213) 955-0440
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 15
TYPE: nucleic acid
STRANDEDNESS: single
  PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                            unknown
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                                                                                                                                                                                                                                                                                                                                                                   US-08-452-724A-30
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US-08-774-306A-2
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Gaps
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85.7%; Pred. No. 1e+02;
tive 1; Mismatches 1; Indels
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Sequence 422, Application US/09064156A

Patent No. 612366

GENERAL INFORMATION:

APPLICANT: Draper, Kenneth G.

TITLE OF INVENTION: INHIBITING HEPATITIS C

TITLE OF INVENTION: INHIBITING HEPATITIS C

TITLE OF INVENTION: VIRUS REPLICATION

NUMBER OF SEQUENCES: 498

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon

STREET: 633 West Fifth Street

STREET: Suite 4700
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/064,156A
FILING DATE: April 21, 1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/182,966
FILING DATE: December 26, 1996
APPLICATION NUMBER: 08/182,968
FILING DATE: Manuary 13, 1994
APPLICATION NUMBER: 07/882,868
FILING DATE: May 14, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REFERENCE/DOCKET NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 32,327
TELECOMMUTICATION INFORMATION:
TELEPHONE: (213) 955-0440
JELEPHONE: (213) 955-0440
JELEPHONE: 67-3510
JINFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTX: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: Storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/064,156A
FILING DATE: APFLICATION DATA:
APPLICATION NUMBER: 08/774,306
FILING DATE: Jacember 26, 1996
APPLICATION NUMBER: 08/182,968
FILING DATE: January 13, 1994
APPLICATION NUMBER: 07/882,888
FILING DATE: MAY 14, 1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1508 CAGCCTCCAGGCCC 1521
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Best Local Similarity 85.7%
Matches 12, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; TYPE: nucleic acid
; STRANDEDNESS: singl
; TOPOLOGY: linear
US-09-064-156A-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               à
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              APPLICANT: Draper, Kenneth G.
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: INHIBITING HEPATITIS C
TITLE OF INVENTION: URBUREDICATION
NUMBER OF SEQUENCES: 497
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STREET: Galifornia
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: SIP DISKETE, 1.44 Mb
MEDIUM TYPE: SIP DISKETE, 1.44 Mb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 191
US-09-064-156A-2
Sequence 2. Application US/09064156A
FREENT NO. 6132966
GENERAL INFORMATION:
TITLE OF INVENTION: METHOD AND REAGENT FOR TITLE OF INVENTION: INHIBITING HEPATITIS C TITLE OF INVENTION: UNRUS REPLICATION
NUMBER OF SEQUENCES: 498
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OSPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/734,306A
FILING DATE: December 26, 1996
PRIOR APPLICATION NUMBER: 08/182,968
FILING DATE: DATE: 1994
APPLICATION NUMBER: 07/882,888
FILING DATE: MAY 14, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
FELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: (213) 955-0440
TELEFAX: (213) 955-0440
TELEFAX: (213) 955-0440
TELEFAX: (213) 955-0410
TELEFAX: (213) 955-0410
TELEFAX: (213) 955-0410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         870 ATACGAGAAGGCGA 883
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14 ATACGATAAGGCGA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.8 Best Local Similarity 92.9 Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TYPE: nucleic acid
; STRANDEDNESS: singl
; TOPOLOGY: linear
US-08-774-306A-423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
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RESULT 195

US-09-081-646-326

is Sequence 326, Application US/09081646

is Patent No. 6333152

is GENERAL INFORMATION:

is APPLICANT: Kinzler, Kenneth

APPLICANT: Zhang, Lin

APPLICANT: Zhang, Lin

is APPLICANT: Zhang, Lin

TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and

TITLE OF INVENTION: Cancer Cells

TITLE OF INVENTION: Cancer Cells

TITLE OF INVENTION: Cancer Cells

CURRENT APPLICATION NUMBER: US/09/081,646

CURRENT FILING DATE: 1998-05-20

EARLIER PRILING DATE: 1997-05-21

NUMBER OF SEQ ID NOS: 871

SOFTWARE: PRESECCE OF Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                       US-09-081-646-126

Sequence 126, Application US/09081646

Sequence 126, Application US/09081646

Sequence No. 6333152;
GENERAL INFORMATION:

APPLICANT: Kinzler, Kenneth

APPLICANT: Zhang, Lin

APPLICANT: Zhang, Lin

APPLICANT: Zhou, Wei

TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and

TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and

TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and

TITLE OF INVENTION: Cancer Cells

FILE REFERENCE: 01107.74664

CURRENT PAPLICATION NUMBER: 05/047,352

ERRIER APPLICATION NUMBER: 60/047,352

ERRIER PLING DATE: 1999-05-20

NUMBER OF SEQ ID NOS: 871

SOFTWARE FASTSEQ for Windows Version 3.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 0.8%; Score 12.4; DB 1; Length 15; Best Local Similarity 92.9%; Pred. No. 1e+02; Matches 13; Conservative 0; Mismatches 1; Indels
              Score 12.4; DB 1; Length Pred. No. 1e+02; 1; Mismatches 1; Indela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
                            Query Match 0.8%; Scc
Best Local Similarity 92.9%; Pre
Matches 13; Conservative 0;
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Best Local Similarity 92.9°
Matches 13; Conservative
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US-09-081-646-126
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US-09-081-646-326
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LENGTH: 15
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LENGTH: 15
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Sequence 423, Application US/09064156A

Patent No. 6132966

GENERAL INFORMATION:

APPLICANT: Draper, Kenneth G.

TITLE OF INVENTION: METHOD AND REAGENT FOR

TITLE OF INVENTION: INHIBITING HEPATITIS C

TITLE OF INVENTION: VIRUS REPLICATION

NUMBER OF SEQUENCES: 498

CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTEST DATE OF THE OF THE
                     REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 234/
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 985-0440
TELEFAX: (213) 985-0440
TELEFAX: (7-3510
INFORMATION FOR SEQ ID NO: 422:
SEQUENCE CHARACTERISTICS:
Warburg, Richard J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            870 ATACGAGAGGCGA 883
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TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 4
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid

STRANDEDNESS: single

; TOPOLOGY: linear

US-09-064-156A-422
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STRANDEDNESS: single
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US-09-064-156A-423
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RESULT 198

US-09-720-435A-171

Sequence 171, Application US/09720435A

Sequence 171, Application US/09720435A

GENERAL INFORMATION:

APPLICANT: Stuver, Lieven

TITLE OF INVENTION: Wethod for detection of drug-selected mutations in the protease

TITLE OF INVENTION: Wethod for detection of drug-selected mutations in the protease

TITLE OF INVENTION: WHERE US/09/720,435A

CURRENT APPLICATION NUMBER: US/09/720,435A

CURRENT FILING DATE: 2001-06-25

PRIOR PELING DATE: 1999-06-22

PRIOR FILING DATE: 1999-06-24

PRIOR FILING DATE: 1998-06-24

NUMBER OF SEQ ID NOS: 529

SOFTWARE: Patentin version 3.2

SEQ ID NO 171
                                                                                                                                                                                                                                                                                                                                                Score 12.4; DB 1; Length 15;
Pred. No. 1e+02;
0; Mismatches 1; Indels
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                                                                                                                                                                                                        TOPOLOGY: unknown SEQUENCE DESCRIPTION: SEQ ID NO: 30: US-08-453-623-30
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ORGANISM: Aids-associated retrovirus
                             INFORMATION FOR SEQ ID NO: 30: SEQUENCE CHARACTERISTICS: LENGTH: 15 base pairs TYPE: mucleic acid STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                   0.8%;
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Best Local Similarity 92.9%;
Matches 13; Conservative
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Best Local Similarity 92.9%
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                                                                                                                                                     Sequence 808, Application US/09081646
| Patent No. 6333152
| JERNERAL INFORMATION:
| APPLICANT: Kinzler, Kenneth
| APPLICANT: Zhou, Wei
| TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
| TITLE OF INVENTION: Cancer Cells
| TITLE OF INVENTION:
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Patent No. 649340
GENERAL INFORMATION:
APPLICANT: Crea, Roberto
TITLE OF INVENTION: Walk-Through Mutagenesis
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
STREET: 2 Militia Drive
CITY: Lexington
STATE: MA
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
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APPLICATION NUMBER: US/08/453,623
FILING DATE: 30-May-1995
CLASSIFICATION - Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/930,600
FILING DATE: 05-APR-1991
APPLICATION NUMBER: PCT/US91/02362
FILING DATE: 05-APR-1991
APPLICATION NUMBER: US 07/505,314
FILING DATE: 05-APR-1990
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Brook, David E.
REGISTRATION NUMBER: 22,592
REGISTRATION UNBER: RC90-01AY
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 861-6240
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ZIP: 02173
COMPUTER READABLE FORM:
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1 CATGGGCTGCCTGC 14
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US-08-453-623-30/c
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US-10-956-157-25950
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US-10-956-157-25953
US-10-956-157-25954
US-10-956-157-25955
US-10-956-157-25955
US-10-956-157-12144
US-10-956-157-1214947
US-10-956-157-131009
US-10-956-157-221209
US-10-956-157-22
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US-10-956-157-238337
US-10-956-157-243092
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              GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd
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US-10-717-597-1315
US-10-717-597-1316
US-10-717-597-1318
US-10-717-597-1318
US-10-717-597-1319
US-10-717-597-1321
US-10-717-597-1322
US-10-717-597-1323
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US-10-717-597-1328
US-10-717-7597-1328
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US-10-956-157-25948
US-10-956-157-25949
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                                                                                     September 13, 2005, 10:46:55
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                                                              nucleic search, using sw model
                                                                                                                                                                                                                            497 seqs, 10470 residues
                                                                                                                                                                                      IDENTITY NUC
Gapop 10.0 , Gapext 0.5
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Maximum Match 100%
Listing first 497 s
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seg length: 50
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Perfect score:
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Maximum DB
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US-U9-967-726A-12 US-10-270-871-14 US-10-080-794-3 US-10-080-794-4	0-080-0	0-080-0	0-080-0	0-080-0	0-080-7	0-080-7	1-366-0 0-383-6	0-383-6	0-646-3	0-646-3	0-646-	0-646-	0-646-3	0-646-391A-9	0-646-391A-1	0-646-391A-1	0-646-391A-1	0-646-391A-2	0-646-391A-2	0-646-391A-2	0-646-3	0-646-391A-3	0-646-391A-3	.10-646-391A-3	-10-646-391A-3	-10-646-391A-4	-10-646-391A-4	10-646-4	10-646-4	-TO-646-6	10-646-4	10-646-4	S-10-646-4	5-10-646-6	S-10-646-4	S-10-646-4	10-646-4	S-10-828-	S-10-828-	S-10-828-	S-10-828-	0 - 0 C - 0	S-10-828-394	S-10-828-394-1	S-10-828-394-1 S-10-828-395-4	S-10-828-395	S-10-828-395	5-10-828-395	S-10-828-395 C-10-828-395	S-10-828-395 S-10-828-395	S-10-828-395	S-10-828-395	5-13	S-10-719-900-55	S-10-719-900-45291	S-10-719-900
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US-10-339-793-366 US-10-342-902-1745 US-10-138-674-8431 US-10-287-949A-8431	US-10-669-841-1745 US-10-669-841-4136 US-10-723-361-8352	US-10-723-361-8353 Sequence	US-10-723-361-8667 Sequence	US-10-723-361-10038 Sequence	US-10-712-633-3472 Sequence	US-11-016-291-4 Sequence	US-09-263-959-1251 Sequence	US-10-108-200A-3102 US-10-758-451-884 Sequence	US-09-930-423-9 Sequence	US-09-930-423-359 Sequence	US-09-740-332-1541 Sequence	US-09-745-237A-9 Sequence	US-09-745-237A-359 sequence	US-09-743-237A-300 cc-4cc-300	US-10-307-005-955 Sequence	US-10-307-005-956 Sequence	US-10-669-841-4134 Sequence	US-09-866-108-1895 Sequence	US-09-866-108-2343 Sequence	113-09-866-108-7485 Sequence	US-09-866-108-8568 Sequence	US-09-866-108-8660 Sequence	US-09-866-108-8661 Sequence	US-09-866-108-8663 sequence	US-09-866-108-9687 Sequence	US-09-866-108-9688 Sequence	US-09-866-108-9689 Sequence	US-09-7/6-291A-4 Sequence	US-09-864-785-117 Sequence	US-09-864-785-213 Sequence	US-09-864-785-236 Sequence	US-09-864-785-1519 Sequence	US-09-864-785-1520 Sequence	113-09-961-077-687 Sequence	US-09-780-533A-1053 Sequence	US-09-780-533A-1885 Sequence	US-09-093-972C-874 Sequence	US-09-930-423-57 Sequence	US-09-827-395A-880 Sequence	US-09-740-332-632 sequence	US-09-740-332-3012 Sequence	US-09-792-818-440 Sequence	US-09-745-237A-57 Sequence	US-09-817-879-632 sequence	115-09-817-879-2012 Sequence	US-10-079-625-25 Sequence	US-10-079-625-27 Sequence	US-10-060-756A-748 Sequence	US-10-060-756A-749 Sequence	US-10-156-306-2719 Sequence	US-10-156-306-5069 Se
1 US-10-339-793-366 1 US-10-342-902-1745 1 US-10-138-674-8431 1 US-10-287-949A-8431	1 US-10-669-841-1745 1 US-10-669-841-4136 1 US-10-703-361-8352	1 US-10-72-361-8353 Sequence	1 US-10-723-361-8667 Sequence	1 US-10-723-361-10038 Sequence	1 US-10-712-633-3472 Sequence	1 US-11-016-291-4 Sequence	1 US-09-263-959-1251 Sequence	1 US-10-108-280A-3102 Sequence	1 US-09-930-423-9 Sequence	1 US-09-930-423-359 Sequence	1 US-09-740-332-1541 Sequence	1 US-09-745-237A-9 Sequence	1 US-09-745-237A-359 Sequence	1 US-09-743-237A-300 CC4Cmcc	1 US-10-307-005-955 Sequence	1 US-10-307-005-956 Sequence	1 US-10-669-841-4134 Sequence	1 US-09-866-108-1895 Sequestion	1 US-09-866-108-2843 Sequence	1 113-09-866-108-7485 Sequence	1 US-09-866-108-8568 Sequence	1 US-09-866-108-8660 Sequence	1 US-09-866-108-8661 Sequence	1 US-09-866-108-8663 sequence	1 US-09-866-108-9687 Sequence	1 US-09-866-108-9688 Sequence	1 US-09-866-108-9689 sequence	1 118-09-778-115 Sequence	1 US-09-864-785-117 Sequence	1 US-09-864-785-213 Sequence	1 IIS-09-864-785-336 Sequence	1 US-09-864-785-1519 Sequence	1 US-09-864-785-1520 Sequence	1 113-09-961-077-687 Sequence	1 US-09-780-533A-1053 Sequence	1 US-09-780-533A-1885 Sequence	1 US-09-093-972C-874 Sequence	1 US-09-930-423-57 Sequence	1 US-09-827-395A-880 Sequence	1 US-09-740-332-632 sequence	1 US-09-740-332-3012 Sequence	1 US-09-792-818-440 Sequence	1 US-09-745-237A-57 Sequence	1 US-09-817-879-632 sequence	1 119-09-817-879-3012 Sequence	1 US-10-079-625-25 Sequence	1 US-10-079-625-27 Sequence	1 US-10-060-756A-748 Sequence	1 US-10-060-756A-749 Sequence	1 US-10-156-306-2719 Sequence	1 US-10-156-306-5069 Se
US-10-339-793-366 US-10-342-902-1745 US-10-138-674-8431 US-10-287-949A-8431	17 1 US-10-669-841-1745 17 1 US-10-669-841-4136 17 1 US-10-723-361-8352	17 1 US-10-723-361-8553 Sequence	17 1 US-10-723-361-8667 Sequence	17 1 US-10-723-361-10038 Sequence) 17 1 US-10-712-633-3472 Sequence	17 1 US-11-016-291-4 Sequence	18 1 US-09-263-959-1251 Sequence	1 18 1 US-10-108-280A-3102 Sequence	3 17 1 US-09-930-423-9 Sequence	3 17 1 US-09-930-423-359 Sequence	17 1 US-09-740-332-1541 Sequence	9 17 1 US-09-745-237A-9 Sequence) 17 1 US-09-745-237A-359 Sequence	1 1 13-09-743-23/A-300 Codemoc	9 17 1 US-10-307-005-955 Sequence	9 17 1 US-10-307-005-956 Sequence	9 17 1 US-10-669-841-4134 Sequence	8 17 1 US-09-866-108-1895 Sequestion	8 I/ I US-09-800-IO8-2043 Sequence	8 17 1 IIS-09-866-108-7485 Sequence	17 1 US-09-866-108-8568 Sequence	8 17 1 US-09-866-108-8660 Sequence	8 17 1 US-09-866-108-8661 Sequence	8 17 1 US-09-866-108-8663 Sequence	8 17 1 US-09-866-108-9604 Sequence	8 17 1 US-09-866-108-9688 Sequence	8 17 1 US-09-866-108-9689 Sequence	8 1/ 1 US-US-1/6-291A-4 Sequence	8 17 1 US-09-864-785-117 Sequence	8 17 1 US-09-864-785-213 Sequence	8 I/ I US-09-864-785-336 Sequence	8 17 1 US-09-864-785-1519 Sequence	8 17 1 US-09-864-785-1520 Sequence	8 I/ I US-09-864-783-2036	8 17 1 US-09-780-533A-1053 Sequence	8 17 1 US-09-780-533A-1885 Sequence	8 17 1 US-093-972C-874 Sequence	8 17 1 US-09-930-423-57 Sequence	8 17 1 US-09-827-395A-880 Sequence	8 17 1 US-09-740-332-632 Sequence	8 17 1 US-09-740-332-3012 Sequence	8 17 1 US-09-792-818-440 Sequence	8 17 1 US-09-745-237A-57 Sequence	8 17 1 US-09-817-879-632 Sequence	8 I/ I US-03-01/-8/3-2101 Coducing	8 1/ 1 US-10-079-625-25 Sequence	8 17 1 US-10-079-625-27 Sequence	8 17 1 US-10-060-756A-748 Sequence	8 17 1 US-10-060-756A-749 Sequence	8 17 1 US-10-156-306-2719 Sequence	8 17 1 US-10-156-306-5069 Se
17 1 US-10-339-793-366 17 1 US-10-342-902-1745 17 1 US-10-138-674-8431 17 1 US-10-287-949A-8431	4.4 0.9 17 1 US-10-669-841-1745 4.4 0.9 17 1 US-10-669-841-413-6 17 1 US-10-69-841-413-6	4.4 0.9 17 1 US-10-723-361-9553 Sequence	4 4 0.9 17 1 US-10-723-361-8667 Sequence	4.4 0.9 17 1 US-10-723-361-10038 Sequence	4.4 0.9 17 1 US-10-712-633-3472 Sequence	4.4 0.9 17 1 US-11-016-291-4 Sequence	4.4 0.9 18 1 US-09-263-959-1251 Sequence	4.4 0.9 18 1 05-10-108-2805-5102 5045-550	4 0.9 17 1 US-09-930-423-9 Sequence	4 0.9 17 1 US-09-930-423-359 Sequence	4 0.9 17 1 US-09-740-332-1541 Sequence	4 0.9 17 1 US-09-745-237A-9 Sequence	4 0.9 17 1 US-09-745-237A-359 Sequence	4 0.9 1/ 1 08-09-743-23/A-300 CC4400000	4 0.9 17 1 US-10-307-005-955 Sequence	4 0.9 17 1 US-10-307-005-956 Sequence	4 0.9 17 1 US-10-669-841-4134 Sequence	8 0.8 17 1 US-09-866-108-1895 Sequented	8 0.8 I/ I US-09-806-108-2045 Sequence	8 0.8 1/1 US-03-886-108-7485 Sequence	8 0.8 17 1 US-09-866-108-8568 Sequence	8 0.8 17 1 US-09-866-108-8660 Sequence	8 0.8 17 1 US-09-866-108-8661 Sequence	8 0.8 17 1 US-09-866-108-8663 Sequence	8 0.8 I/ I US-09-866-108-9687 Sequence	8 0.8 17 1 US-09-866-108-9688 Sequence	8 0.8 17 1 US-09-866-108-9689 Sequence	8 0.8 1/ 1 03-09-7/6-291A-4 Sequence	8 0.8 17 1 US-09-864-785-117 Sequence	8 0.8 17 1 US-09-864-785-213 Sequence	8 0.8 I/ I US-03-064-703-ZI3	8 0.8 17 1 US-09-864-785-1519 Sequence	8 0.8 17 1 US-09-864-785-1520 Sequence	8 0.8 I/ I US-09-961-077-687 Sequence	8 0.8 17 1 US-09-780-533A-1053 Sequence	8 0.8 17 1 US-09-780-533A-1885 Sequence	8 0.8 17 1 US-09-093-972C-674 Sequence	8 0.8 17 1 US-09-930-423-57 Sequence	8 0.8 17 1 US-09-827-395A-880 Sequence	8 0.8 17 1 US-09-740-332-632 sequence	8 0.8 17 1 US-09-740-332-3012 Sequence	0.8 17 1 US-09-792-818-440 Sequence	.8 0.8 17 1 US-09-745-237A-57 Sequence	.8 0.8 17 1 US-09-817-879-632 sequence	8 0.8 1/ 1 US-03-81/-8/3-2101 Codemic	8 0.8 1/ 1 US-10-079-625-25 Sequence	8 0.8 17 1 US-10-079-625-27 Sequence	8 0.8 17 1 US-10-060-756A-748 Sequence	.8 0.8 17 1 US-10-060-756A-749 Sequence	.8 0.8 17 1 US-10-156-306-2719 Sequence	.8 0.8 17 1 US-10-156-306-5069 Se

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APPLICANT: Bucczynski, Michael E.
APPLICANT: Twine, Natalie C.
APPLICANT: Trepicchic, Milliam L.
APPLICANT: Trepicchic, Milliam L.
APPLICANT: Slonim K.
APPLICANT: Slonim K.
APPLICANT: Scover, Jennifer A.
TITLE OF INVEXTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS
FILE REFERENCE: AM1010801.
FILE REFERENCE: AM1010801.
CURRENT APPLICATION NUMBER: US 60/459, 782
PRIOR APPLICATION NUMBER: US 60/427, 982
PRIOR FILING DATE: 2003-11-21
PRIOR FILING DATE: 2003-11-21
PRIOR FILING DATE: 2003-11-21
SPRIOR FILING DATE: 2003-11-21
SROFTWARE: PALCHIN NOS: 4904
SOFTWARE: PALCHIN VERSION 3.2
SEQ ID NO 1318
                                           APPLICANT: Twine, Natalie C.
APPLICANT: Traine, Natalie C.
APPLICANT: Dorner, Andrew J.
APPLICANT: Dorner, Andrew J.
APPLICANT: Stonim, Donna K.
APPLICANT: Stover, Jennifer A.
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS
FILE REFERENCE: AMAIO1080L
CURRENT ELLING DATE: 2003-11-21
PRIOR PLILNG DATE: 2003-11-21
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4994
SOFTWARE: Patentin version 3.2
SEQ ID NO 1317
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Publication No. US20040110221A1
GENERAL INFORMATION:
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US-10-717-597-1319
; Sequence 1319, Application US/10717597
                           Burczynski, Michael E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Homo sapiens
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US-10-717-597-1318
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APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Maliam L.
APPLICANT: Storim, Domna K.
APPLICANT: Storim NUMBER: US/10/11,597
CURRENT FILING DATE: 2003-11-21
PRIOR APPLICATION NUMBER: US 60/459,782
PRIOR APPLICATION NUMBER: US 60/427,982
PRIOR APPLICATION NUMBER: US 60/427,982
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                                                                APPLICANT: Trepicchio, William L.
APPLICANT: Slonim, Donna K.
APPLICANT: Slonim, Donna K.
APPLICANT: Slover, Jennifer A.
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS FILE REFERENCE: AM101080L
CURRENT APPLICATION NUMBER: US/10/717,597
CURRENT PILING DATE: 2003-11-21
PRIOR APPLICATION NUMBER: US 60/429,782
PRIOR FILING DATE: 2003-04-03
PRIOR FILING DATE: 2003-04-13
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4994
SOFTWARE: PATENTIN VERSION 3.2
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Sequence 1316, Application US/10717597
Sequence 1316, Application US/10717597
Publication No. US20040110221A1
GENERAL INFORMATION:
APPLICANT: Wyeth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             , Application US/10717597
Burczynski, Michael E.
Twine, Natalie C.
Dorner, Andrew J.
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SOFTWARE: Patentin version 3.2
SEQ ID NO 1316
LENOTH: 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Homo sapiens
US-10-717-597-1315
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; ORGANISM: Homo sapiens
US-10-717-597-1316
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US-10-717-597-1317
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LENGTH: 25
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APPLICANT: Wyeth
APPLICANT: Weth
APPLICANT: Bucczynski, Michael E.
APPLICANT: Twinch. Natalie C.
APPLICANT: Trepicchio, William L.
APPLICANT: Slonim, Donna K.
APPLICANT: Slonim, Donna K.
APPLICANT: Slover, Jennifer A.
ITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS
FILE REFERENCE: AM101080L
CURRENT APPLICATION NUMBER: US/10/717,597
CURRENT APPLICATION NUMBER: US 60/459,782
PRIOR FILING DATE: 2003-11-21
PRIOR FILING DATE: 2002-11-21
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: Patentin version 3.2
SEQ ID NO 1321
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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     Application US/10717597
. US20040110221A1
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APPLICANT: Wyeth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Homo sapiens
US-10-717-597-1321
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US-10-717-597-1322
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0
                                                                 APPLICANT: "You'me, Michael B.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Trepicchio, william L.
APPLICANT: Trepicchio, william L.
APPLICANT: Slowim, Donna K.
APPLICANT: Slowim, Donna K.
TITLE ON INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS FILE REFERENCE: AM101080L
CURRENT APPLICATION NUMBER: US/10/717,597
CURRENT FILING DATE: 2003-11-21
PRIOR PRLICATION NUMBER: US 60/459,782
PRIOR PLLING DATE: 2003-11-21
PRIOR PLLING DATE: 2003-11-21
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: Patentin version 3.2
LENGTH: 25
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APPLICANT: MycLin Michael B.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Trepicchic, William L.
APPLICANT: Slonim, Donna K.
APPLICANT: Slonim, Donna K.
APPLICANT: Storim, Donna K.
APPLICANT: Storim, Donna K.
APPLICANT: Storim, Donna K.
APPLICANT: Storim, Donna K.
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS FILE REFERENCE: AM101080L
CURRENT APPLICATION NUMBER: US 60/459,782
PRIOR PILING DATE: 2003-11-21
PRIOR FILING DATE: 2003-11-21
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: Patentin version 3.2
LENGTH: 25
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Pred. No. 72;
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; Sequence 1320, Application US/10717597
; Publication No. US20040110221A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
Publication No. US20040110221A1
GENERAL INFORMATION:
APPLICANT: Wyeth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; TYPE: DNA; ORGANISM: Homo sapiens
US-10-717-597-1319
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; ORGANISM: Homo sapiens
US-10-717-597-1320
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APPLICANT: MycLin Michael E. APPLICANT: MycLael E. APPLICANT: MycLin Myc
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RESULT 10

RESULT 8 US-10-717-597-1321

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APPLICANT: Twine, National Commer, Andrew J.
APPLICANT: Trepicchio, William L.
APPLICANT: Trepicchio, William L.
APPLICANT: Stooth, Donna K.
APPLICANT: Stooth, Donna K.
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS FILE REFERENCE: AMIOLO80.
CURRENT APPLICANTION NUMBER: US/10/717,597
CURRENT FILING DATE: 2003-11-21
PRIOR FILING DATE: 2003-10-21
PRIOR FILING DATE: 2003-10-21
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: Patentin version 3.2
LENGTH: 25
LENGTH: 25
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APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natilie C.
APPLICANT: Trepicchio, William L.
APPLICANT: Stonen K.
APPLICANT: Stonen K.
APPLICANT: Stonen, Donna K.
APPLICANTON NUMBER: US 60/459,782
PRIOR FILING DATE: 2003-04-03
PRIOR PLILING DATE: 2003-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: PatentIn version 3.2
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100.0%; Pred. No. 72;
iive 0; Mismatches 0; Indels
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                       Sequence 1325, Application US/10717597
Publication No. US20040110221A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; Sequence 1326, Application US/10717597; Publication No. US20040110221A1; GENERAL INFORMATION:
                                                                                                                            Burczynski, Michael E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; ORGANISM: Homo sapiens
US-10-717-597-1325
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CORGANISM: Homo sapiens
US-10-717-597-1326
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Best Local Similarity
Matches 25; Conserv
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LENGTH: 25
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                                                                        APPLICANT: Burczynski, Michael E.
APPLICANT: Burczynski, Michael E.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Trepicchio, William L.
APPLICANT: Slonia K.
APPLICANT: Slonia K.
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS FILE REPERENCE: AM101080L.
CURRENT APPLICATION NUMBER: US 60/459, 782
PRIOR PLILING DATE: 2003-11-21
PRIOR APPLICATION NUMBER: US 60/427, 982
PRIOR PLILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: Patentin version 3.2
SEQ ID NO 1323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Burczynski, Michael E.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Trepicchio, William L.
APPLICANT: Stonim, Donna K.
APPLICANT: Stover, Jennifer A.
TILLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS
TILLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS
FILE REFERENCE: AMIOLOBOL
CURRENT PLILING DATE: 2003-11-21
CURRENT PLILING DATE: 2003-11-21
PRIOR FILING DATE: 2003-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: Patentin version 3.2
LENGTH: 25
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Sequence 1323, Application US/10717597 Publication No. US20040110221A1 GENERAL INFORMATION: APPLICANT: Wyeth
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Publication No. US20040110221A1
GENERAL INFORMATION:
APPLICANT: Wyeth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-717-597-1323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; TYPE: DNA; ORGANISM: Homo sapiens
US-10-717-597-1324
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Sequence 25933, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
TUTLE OF INVENTION: UNCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: UNMBER US/10/956,157
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILLING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE PATENTIN VERSION 3.2
SOFTWARE PATENTIN VERSION 3.2
SEQ ID NO 25933
LENGTH: 25
                                                                         Sequence 1229, Application US/10717597

Sequence 1239, Application US/10717597

Publication No. US20040110221A1

GENERAL INPORMATION:

APPLICANT: Wyeth

APPLICANT: Twine, Matalie C.

APPLICANT: Twine, Matalie C.

APPLICANT: Trepicchio, William L.

APPLICANT: Slouim, Donnar K.

APPLICANT: Slouim, Donnar K.

APPLICANT: Slouim, Donnar K.

TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS

FILE REFERENCE: AM101080L

CURRENT APPLICATION NUMBER: US/10/717,597

CURRENT FILING DATE: 2003-04-03

PRIOR APPLICATION NUMBER: US 60/427,982

PRIOR APPLICATION NUMBER: US 60/427,982

PRIOR FILING DATE: 2002-11-21

SROITWARE: PATENTING DATE: 2002-11-21

NUMBER OF SEQ ID NOS: 4904

SOFTWARE: PATENTIN VERSION 3.2

SEQ ID NO 1329
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US-10-956-157-25934
Sequence 25934, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
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Best Local Similarity 100.0
Matches 25; Conservative
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US-10-956-157-25933
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; ORGANISM: Homo sapiens
US-10-717-597-1329
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                                                                                                                                             APPLICANT: Mychael E.
APPLICANT: Mychael E.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Trepicchio, William L.
APPLICANT: Slonim, Donna K.
APPLICANT: Slonim, Donna K.
APPLICANT: Storim, Donna K.
TITLE OF INVENTYON: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS FILE REFERENCE: AM101080L
CURRENT PEPLICATION NUMBER: US/07/17,597
CURRENT FILING DATE: 2003-11-21
PRIOR APPLICATION NUMBER: US 60/459,782
PRIOR FILING DATE: 2003-11-21
PRIOR FILING DATE: 2003-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: Patentin Version 3.2
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Buczynski, Michael E.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Trepicchio, William L.
APPLICANT: Stoniam, Donna K.
APPLICANT: Stover, Jennifer A.
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS FILE REFERENCE: AMIO1080L
CURRENT APPLICATION NUMBER: US 60/459, 782
PRIOR FILING DATE: 2003-11-21
PRIOR FILING DATE: 2003-04-03
PRIOR FILING DATE: 2003-01-21
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOPTWARE: Batentin version 3.2
SOFTWARE: Patentin version 3.2
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RESULT 14
US-10-717-597-1327
Sequence 1327, Application US/10717597
Publication No. US20040110221A1
GENERAL INFORMATION:
APPLICANT: Wyeth
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APPLICANT: Wyeth
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Matches 25; Conservative
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; ORGANISM: Homo sapiens
US-10-717-597-1327
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ORGANISM: Homo sapiens
US-10-717-597-1328
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US-10-717-597-1328
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Sequence 25937, Application US/10956157
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Sequence 25937, Application US/10956157
Sequence 25937, Application US20050118625A1
GENERAL INFORMATION: William
APPLICANT: Weath
APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 03196-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 25937
LENGTH: 25
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Publication No. US20050118625A1
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
TITLE OF INVENTION: UNCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITHTIE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENT IN version 3.2
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                  Best Local Similarity
Matches 25; Conserv
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Best Local Similarity
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Best Local Similarity
Matches 25; Conserv
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LENGTH: 25
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       Query Match
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                APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NO 25934
LENGTH: 25
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Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Mounts, William

TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

SEQ ID NO 25935

LENGTH: 25
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US-10-956-157-25936

Sequence 25936, Application US/10956157

Sequence 25936, Application US/10956157

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wounts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REPRENCE: 031896-043000 (Am 101081)

CURRENT APPLICATION WUMBER: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

SEQ ID NO 25936

LENGTH: 25
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                    ; TYPE: DNA
; ORGANISM: Probe Sequence
US-10-956-157-25934
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; ORGANISM: Probe Sequence
US-10-956-157-25935
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US-10-956-157-25936
    APPLICANT: Wyeth
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Sequence 25543, Application US/10956157
; Sequence 25543, Application No. US20050118625A1
; Sequence 25543, Application No. US20050118625A1
; GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN OSTECARTRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTECARTRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: US-04300 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 25543
LENGTH: 25
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US-10-956-157-25942

Sequence 25942, Application US/10956157

Sequence 25942, Application No. US20050118625A1

Sequence 25942, Application No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wounts, William

APPLICANT: Wounts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION WUMBER: US/10/956,157

CURRENT APPLICATION WUMBER: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

SEQ ID NO 25942

LENGTH: 259
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100.0%; Pred. No. 'r.
'-- 0; Mismatches
  Pred. No. 72; Mismatches
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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US-10-956-157-25944
Sequence 25944, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
PAPLICANT: Mounts, William
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    Best Local Similarity 100.
Matches 25; Conservative
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Matches 25; Conserva
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Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wyeth

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: PAGENTIN VERSION 3.2
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Sequence 25940. Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TILE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARR: Patentin version 3.2
SEQ ID NO 25940
LENGTH: 25
APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERRNCE: 031896-043000 (AM 101081)
CURRENT APPLICATION HUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
SEQ ID NO 25399
LENGTH: 25
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1.5%; Score 25; DB 1; Length 25;
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 72;
tive 0; Mismatches
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Best Local Similarity 100.
Matches 25; Conservative
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ORGANISM: Probe Sequence
US-10-956-157-25941
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; ORGANISM: Probe Sequence
US-10-956-157-25939
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US-10-956-157-25941
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US-10-956-157-25940
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LENGTH: 25
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Publication No. US20050118625A1

GENERAL INPORMATION:
APPLICANT: Wyeth
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT FILING DATE: 2004-10-04
NUMBER OF. SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 25945
LENGTH: 25
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 0319895-043000 (AM 10.081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIN VEXBION 3.2
SOFTWARE: PATENTIN VEXBION 3.2
LENGTH: 25
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TITLE OF INVENTION: WOCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEDARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT PILLORION WUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTING OF SEQ ID NOS: 319805
SOFTWARE: ACENTIN VEXSION 3.2
LENGTH: 25
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100.0%; Pred. No. 72;
tive 0; Mismatches
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100.0%; Pred. No.
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
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Matches 25, Conservative
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Matches 25; Conservative
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; ORGANISM: Probe Sequence
US-10-956-157-25944
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ORGANISM: Probe Sequence
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; ORGANISM: Probe Sequence
US-10-956-157-25946
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US-10-956-157-25945
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Sequence 25947, Application US/10956157

GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wyeth
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILING DATE: 2004-10-04
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APPLICANT: Wyeth
APPLICANT: Wounts, william
APPLICANT: Wounts, william
APPLICANT: Wounts, william
APPLICANT: Wounts, william
APPLICANT: Mounts, william
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (Am 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 25948

    Sequence 25949, Application US/10956157
    Publication No. US20050118625A1
    GENERAL INFORMATION:
    APPLICANT: Wyeth
    APPLICANT: Mounts, William
    TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

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100.0%; Pred. No. 72;
live 0; Mismatches
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0; Mismatches
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SOFTWARE: PatentIn version 3.2
SEQ ID NO 25947
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.(
Matches 25; Conservative
25; Conservative
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US-10-956-157-25947
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Best Local Similarity
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US-10-956-157-25949
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Sequence 25953, Application US/10956157

Publication No. US20050118625A1

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Woults, William

ITILE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: UNMBER: US/10/956,157

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE PATENTIN Version 3.2

SEQ ID NO 25553
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; Sequence 25954, Application US/10956157
; Sequence 25954, Application WS/10956157
; GRNERAL INFORMATION:
; APPLICANT: Wyeth
; THILE OF INVENTION: WILLIAM
; TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
                                                                                                                                                                                                                                             NUBLIA APPLICATION NO. US20050118625A1

Sequence 25952, Application US/10956157

Sequence 25952, Application US/10956157

PUBLICANT: Wouth

APPLICANT: Wyeth

APPLICANT: Wouths, William

APPLICANT: Wouths, William

APPLICANT: Wouths, William

APPLICANT: WOUTEC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

APPLICANT: WOUTEC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

ATTLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 10.081)

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: PatentIn version 3.2

LENGTH: 25
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1.5%; Score 25; DB 1; Length 25;
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches 0; Indels
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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                                        1048 CTGAGAGGTTGACCAGGAATACAA 1072
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Sequence 25951, Application US/10956157
Sequence 25951, Application US/10956157
Sequence 25951, Application US/10956157
Sequence 25951, Application US/10956157
Sequence 25951, Application No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
TITLE OF INVENTION: UNCEST ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION UNMERS: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 25951
LENGTH: 25
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Publication No. US20050118625A1

GENERAL INFORMATION

APPLICANT: Wyeth

APPLICANT: Wounts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: 1000-100-04

STATE OF THE OSTEO OSTEOARTHRITIS AND HUMAN PROTEASES

STATE OSTEOARTHRITIS AND HUMAN PROTEASE
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TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 25949
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1.5%; Score 25;
Best Local Similarity 100.0%; Pred. No.
Matches 25; Conservative 0; Mismatci
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CORGANISM: Probe Sequence
US-10-956-157-25951
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ORGANISM: Probe Sequence
US-10-956-157-25950
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APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: MOULE,
APPLICANTON: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SSPTWARE: PATENTIN VERSION 3.2
SSEQ ID NO 122144
LENGTH: 25
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APPLICANT: Wyeth
APPLICANT: Woute, william
APPLICANT: Mounts, william
APPLICANT: Mounts, william
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 127897
LENGTH: 25
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| Publication No. US20050118625A1
| Publication No. US20050118625A1
| APPLICANT: Wyeth
| APPLICANT: Mounts, William
| TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
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1.5%; Score 25; DB 1;
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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100.0%; Pred. No. 72;
tive 0; Mismatches
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     304 ATGAGACCAGGGAATCAGAGACAAA 328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    850 AGCACCCCCAACAGAATTCATACG 874
                                                                                                                                                                     ; Sequence 122144, Application US/10956157; Publication No. US20050118625A1; GENERAL INFORMATION:
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Best Local Similarity 100.0
Matches 25; Conservative
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US-10-956-157-122144
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; ORGANISM: Probe Sequence
US-10-956-157-127897
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APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN OSTEDARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SEQ ID NO 25955
LENGTH: 25
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Sublication No. US20050118625A1

Publication No. US20050118625A1

APPLICANT: Worth

APPLICANT: Wounts, William

APPLICANT: Wounts, William

APPLICANT: Mounts, William

APPLICANT: Wounts, William

APPLICANT: Mounts, William

APPLICANT: Mounts, William

APPLICANT: Mounts, William

APPLICANT: Mounts, Wolfbert Caid ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION WUMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin Version 3.2

SEGFWARE: Patentin Version 3.2
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100.0%; Pred. No. 72;
ive 0; Mismatches
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FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT PELLINGN NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 25554
LENGTH: 25
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Best Local Similarity 100.0
Matches 25; Conservative
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Best Local Similarity 100.
Matches 25; Conservative
                                                                                                                                                                        TYPE: DNA
ORGANISM: Probe Sequence
US-10-956-157-25954
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US-10-956-157-25955
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CRGANISM: Probe Sequence
US-10-956-157-25956
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US-10-956-157-25955
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Best Local
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APPLICANT: Wyeth
APPLICANT: Worth
APPLICANT: Worth
APPLICANT: Wouts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRIIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 139926
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Publication No. US20050118625A1

Publication No. US20050118625A1

Publication No. US20050118625A1

APPLICANT: Wyeth

APPLICANT: Woults, William

TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

FILE REFERENCE: 2004-10-04

CURRENT APPLICATION WUMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805
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Sequence 141327, Application US/10956157

Sequence 141327, Application US/20050118625A1

GENERAL INFORMATION:

SENDIAL INFORMATION:

APPLICANT: Wounts,

TITLE OF INVENTION: HUMAN OSTERARTHRITIS AND HUMAN PROTEASES

FILE REPERENCS: 031896-043000 (AM 10.1081)

CURRENT APPLICATION NUMBER: US/10/956,157
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100.0%; Pred. No.
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  AGGATGCCCTAAATGAGACCAGGGA 25
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Publication No. US20050118625A1
GENERAL INFORMATION:
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SEQ ID NO 140752
LENGTH: 25
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Matches 25; Conservative
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; ORGANISM: Probe Sequence
US-10-956-157-139926
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US-10-956-157-140752
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US-10-956-157-134947

US-10-956-157-134947

Sequence 134947, Application US/10956157

Publication No. US2050118625A1

GENERAL INFORMATION:
APPLICANT: Wyeth

APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT APPLICANT: NUMBER: US/10/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: PATENTIN VERSION 3.2

SEQ ID NO 134947

LENGTH: 25
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US-10-956-157-135244

US-10-956-157-135244

US-10-956-157-135244

Publication No. US20050118625A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Wyeth
TITLE OF INVENTION: HUMAN OSTBOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (Am 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: PATENTIN VERSION 3.2
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                                                                                                                                                                                                                                                                                   0; Indels
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72;
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CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ TWARE: PatentIn version 3.2
SEQ ID NO 131009
LENGTH: 25
                                                                                                                                                                                                                                                                                                                            561 ATGCTGGATGTCATGCAGGACCACT 585
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Matches 25; Conservative
                                                                                                                                  ; TYPE: DNA
; ORGANISM: Probe Sequence
US-10-956-157-131009
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; ORGANISM: Probe Sequence
US-10-956-157-135244
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LENGTH: 25
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APPLICANT: Wyeth APPLICANT: Wyeth APPLICANT: Wounts, William APPLICANT: Wounts, William APPLICANT: Wounts, William APPLICANT: Wounts, William ITTLE OF INVENTION: HUMAN OSTEOARTHRITE AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
LENGTH: 25
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APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: WOUNTS,
NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION WNBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 158656
LENGTH: 25
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
ITILE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
ITILE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPRENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
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72;
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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; Publication No. US20050118625A1
; GENERAL INFORMATION:
                                                                                                                 ; Sequence 156812, Application US/10956157; Publication No. US20050118625A1; GENERAL INFORMATION:
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1 ACCGGCAGCAGCACACATGCTGGA 25
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ORGANISM: Probe Sequence
US-10-956-157-156812
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US-10-956-157-159440
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Sequence 146594, Application US/10956157

Sequence 146594, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION UNMERE: US/10/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SEQ ID NOS: 319805

SEQ ID NO 146594

LENGTH: 25
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Sequence 146923, Application US/10956157

Sequence 146923, Application US/10956157

Sequence 146923, Application US/10956157

Sequence 146923, Application US/10956157

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wyeth

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION WHOBER: US/10/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SEQ ID NOS: 319805

SEQ ID NO 146923

LENGTH: 25
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1.5%; Score 25; DB 1; Length 25;
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches 0; Indels
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2004-10-04
                         NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
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; ORGANISM: Probe Sequence
US-10-956-157-146594
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US-10-956-157-141327
  CURRENT FILING DATE:
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LENGTH: 25
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APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wouts, William
APPLICANT: Wouts, William
APPLICANT: Mounts, William
APPLICANT: Mounts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,L57
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SEQ ID NO 174696
LENGTH: 25
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APPLICANT: Wyeth
APPLICANT: Wounte, William
APPLICANT: Wounte, William
APPLICANT: Mounte, William
APPLICANT: Mounte, William
TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILLING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
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Publication No. US20050118625A1
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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                                                                                                                         Sequence 174696, Application US/10956157 Publication No. US20050118625A1 GENERAL INFORMATION:
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; Sequence 174708 Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
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SEQ ID NO 174708
LENGTH: 25
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Matches 25, Conserv
                                                                                               JS-10-956-157-174696
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Publication No. US20050118625A1
Fublication No. US20050118625A1
GENERAL INFORMATION:
TITLE OF INVENTION: WOUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEDARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 168291
LENGTH: 25
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Waeth
APPLICANT: World
APPLICANT: APPLICAN
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100.0%; Pred. No. ...
                                                                                                                                                                                                                                               1.5%; Score 25; DB 100.0%; Pred. No. 72; ive 0; Mismatches
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NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 159440
LENGTH: 25
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Best Local Similarity 100.0
Matches 25; Conservative
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Matches 25; Conservative
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                                                                                                                     ; TYPE: DNA; ORGANISM: Probe Sequence
US-10-956-157-159440
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ORGANISM: Probe Sequence
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ORGANISM: Probe Sequence
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Best Local Similarity
Matches 25; Conserv
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Sequence 178867, Application US/10956157

Sequence 178867, Application US/10956157

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, WILLEG ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION WUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE PATENTIN VETBION 3.2
SEQ ID NO 178867
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Squence 186901, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN OSTECARTRAITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-04300 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 186901
LENGTH: 25
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Publication No. US20050118625A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wounte, William
TITLE OF INVENTION: UCLERIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
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100.0%; Pred. No. 72;
ive 0; Mismatches
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Best Local Similarity
Matches 25; Conserv
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                        RESULT 61
US-10-956-157-178867
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Sublication No. US2005018625A1

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Wyeeth
APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 318805
SOFTWARE: Patentin version 3.2
SEQ ID NO 176821
LENGTH: 25
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Weeth
APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN: US-0410-04
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIN version 3.2
SEQ ID NO 178550
LENGTH: 25
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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Pred. No.
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Best Local Similarity 100.0%; Pi
Matches 25; Conservative 0;
SOFTWARE: Patentin version 3.2
SEQ ID NO 174902
LENGTH: 25
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; ORGANISM: Probe Sequence
US-10-956-157-176821
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ORGANISM: Probe Sequence
                                                                                           ; ORGANISM: Probe Sequence US-10-956-157-174902
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Matches 25
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Sequence 188008, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth Nounts, William
APPLICANT: Wyeth Worths CAID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH-
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
LENGTH: 25
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Sequence 188038, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wouths, William

TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: USCAPA 101081)

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILIKG DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

SEQ ID NO 188038
                       Sequence 186914, Application US/10956157

Sequence 186914, Application US/10956157

Publication No. US20050118625A1

SERNERAL INFORMATION:
APPLICANT: Wyeth

TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES

TILE REFERENCE: 031896-043000 (AM 101081)

TILE REFERENCE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

SEQ ID NO 186914
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72;
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) ORGANISM: Probe Sequence
US-10-956-157-186914
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Best Local Similarity
Matches 25; Conserv
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US-10-956-157-188008
RESULT 66
US-10-956-157-186914
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Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wounts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOUTHAND OSTEOARTHRITIS AND HUMAN PROTEASES

SOUTHAND APPLICATION WHOREN: 2010-04

NUMBER OF SEQ ID NOS: 319805

SEQ ID NO 186903

LENGTH: 25
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US-0156-157-186908

Sequence 186908, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wounts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITE AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION WUMBRE: US/10/956,157

CURRENT APPLICATION WUMBRE: US/10/956,157

CURRENT APPLICATION WUMBRE: 2004-10-04

NUMBRE OF SEQ ID NOS: 319805

SOFTWARE: PARENTE IN VERSION 3.2
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tive 0; Mismatches
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                                                                                                                                       Query Match 1.5%; Score 25; DB Best Local Similarity 100.0%; Pred. No. 72; Matches 25; Conservative 0; Mismatches
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Best Local Similarity 100.0°
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US-10-956-157-186903
                                                      TYPE: DNA
CORGANISM: Probe Sequence
US-10-956-157-186902
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           ; SEQ ID NO 186902
; LENGTH: 25
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Sequence 193107, Application US/10956157
Publication No. US20050118625A1
Publication No. US20050118625A1
Publication No. US20050118625A1
APPLICANT: Wyeth
APPLICANT: Wounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT PAPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEG ID NO 193107
LENGTH: 25
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APPLICANT: Wounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PALENTIN VERSION 3.2
SEQ ID NO 193726
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Sequence 19437, 7, 4pplication US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyerh

APPLICANT: Wounts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REPRENCE: 031896-04300 (AM 101081)

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: PATENTIN VERSION 3.2

SEQ ID NO 194937

LENGTH: 25
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100.0%; Pred. No. 72;
tive 0; Mismatches
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100.0%; Pred. No. 72;
ive 0; Mismatches
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Best Local Similarity 100.
Matches 25; Conservative
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Best Local Similarity 100.0
Matches 25; Conservative
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CORGANISM: Probe Sequence
US-10-956-157-193726
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Sequence 189641, Application US/10956157

Sequence 189641, Application US/10956157

Sequence 189641, Application US/10956157

Sequence 189641, Application US/10956157

SEQUENCE 189641, Application US/105011862541

SELICANT: Wyeth

APPLICANT: Wyeth

TITLE OF INVENTION: WUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION WHORE: 105/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SEQ ID NO 189641

LENGTH: 25

LENGTH: 25
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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Matches 25; Conservative
                                   ; TYPE: DNA
; ORGANISM: Probe Sequence
US-10-956-157-188038
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: DNA
; ORGANISM: Probe Sequence
US-10-956-157-189641
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ORGANISM: Probe Sequence
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US-10-956-157-191487
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LENGTH: 25
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US-10-956-157-199713

Sequence 199713, Application US/10956157

Sequence 199713, Application WS/10956157

Sequence 199713, Application NS-1026050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wyeth

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101091)

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

LENGTH: 25

LENGTH: 25
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US-10-956-157-206442, Application US/10956157
Sequence 206442, Application US/10956157
GENERAL INFORMATION: U320050118625A1
GENERAL INFORMATION: Worth
TITLE OF INVENTION: WUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
CURRENT APPLICATION WUMBER: U3/10/956,157
CURRENT FILING DATE: 2004410-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 206442
LENGTH: 25
TYPE: DNA
Sequence 196424, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Mounts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER C SEQ ID NOS: 319805
SOFTWARE: PALENTIN version 3.2
SEQ ID NO 196424
LENGTH: 25
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1.5%; Score 25;
Best Local Similarity 100.0%; Pred. No.
Matches 25; Conservative 0; Mismatch
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Best Local Similarity 100.0
Matches 25; Conservative
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Sequence 195328, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:
APPLICANT: Wyeth

APPLICANT: Wyeth

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFRENCATION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFRENCATION NUMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

SEQ ID NO 195328

LENGTH: 25
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CURRENT APPLICATION WUMBER: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
LENGTH: 25
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                                                                                                                                     Query Match 1.5%; Score 25; DB Best Local Similarity 100.0%; Pred. No. 72; Matches 25; Conservative 0; Mismatches
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Best Local Similarity 100.0
Matches 25; Conservative
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; ORGANISM: Probe Sequence
US-10-956-157-195328
                                           i TYPE: DNA
i ORGANISM: Probe Sequence
US-10-956-157-194937
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US-10-956-157-195368
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US-10-956-157-196424
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US-10-956-157-195328
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APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION NUMBER: 2004-110-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SEQ ID NO 215054
LENGTH: 25
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Publication No. US20050118625A1
Publication No. US20050118625A1
REBERLI INPORMATION:
TITLE OF INVENTION: UNCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: UNMBER. US/10/956,157
TITLE OF INVENTION: UNMBER. US/10/956,157
CURRENT PAPLICATION UNMBER. US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE PATENTIN VERSION 3.2
IENGTH: 25
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APPLICANT: Wounts, William
APPLICANT: Mounts, William
APPLICANT: Mounts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: UUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION UNMER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 218349
LENGTH: 25
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100.0%; Pred. No. 72;
tive 0; Mismatches
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Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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Publication No. US20050118625A1
GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 25; Conservative
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US-10-956-157-215054
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US-10-956-157-216983
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ORGANISM: Probe Sequence
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APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SPOFTWARE: Patentin version 3.2
SEQ ID NO 208499
LENGTH: 25
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APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
TITLE CP INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOPTWARE: Patentin version 3.2
SEQ ID NO 212934
LENGTH: 25
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                                                                            Query Match 1.5%; Score 25; DB 1; Length 25; Best Local Similarity 100.0%; Pred. No. 72; Matches 25; Conservative 0; Mismatches 0; Indels
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Publication No. US20050118625A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                 Sequence 208499, Application US/10956157 Publication No. US20050118625A1 GENERAL INFORMATION:
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Matches 25; Conservative
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Best Local Similarity 100.
Matches 25; Conservative
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ORGANISM: Probe Sequence
US-10-956-157-208499
  ; ORGANISM: Probe Sequence US-10-956-157-206442
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US-10-956-157-212934
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US-10-956-157-208499
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US-10-956-157-215054
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APPLICANT: Mounte, William
TITLE OF INVENTION: UNCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PALENTIN VERSION 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: NUCLEIC ASEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEPTWARE: PatentIn version 3.2
SEQ ID NO 220245
LENGTH: 25
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APPLICANT: Wyeth
APPLICANT: Would by William
APPLICANT: MOUNTS, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARES: Patentin version 3.2
SEQ ID NO 221279
LENGTH: 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; Sequence 220245, Application US/10956157; Publication No. US20050118625A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
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Best Local Similarity 100.0
Matches 25; Conservative
                                                                                                                                                                                                                                                                                                       ) ORGANISM: Probe Sequence
US-10-956-157-219734
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US-10-956-157-220245
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; ORGANISM: Probe Sequence
US-10-956-157-221279
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Matches 25; Conserv
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US-10-956-157-220245
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                                                                                                                                                                                                                                 SEQ ID NO 219734
LENGTH: 25
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Sequence 218350, Application US/10956157

Sequence 218350, Application US/10956157

Sequence 218350, Application US/10956157

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wounts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION NUMBER: 1204-10-04

NUMBER OF SEQ ID NOS: 319805

SOUTHAND SEQ ID NOS: 319805

SEQ ID NO 218350

LENGTH: 25
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US-10-956-157-218351

Sequence 218351, Application US/10956157

Sequence 218351, Application US/10956157

Sequence 218351, Application US/10956157

Sequence 218351, Application US/10956157

GENERALI INFORMATION:

APPLICANT: Wyeth

TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT RAPLICATION WMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

SEQ ID NO 218351

LENGTH: 25
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72;
                                          1.5%; Score 25; DB 1;
100.0%; Pred. No. 72;
tive 0; Mismatches (
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llarity 100.0%; Pred. No. 72;
Conservative 0; Mismatches
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; Sequence 219734, Application US/10956157
; Publication No. US20050118625A1
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                                       Query Match
Best Local Similarity 100.
Matches 25, Conservative
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Matches 25; Conservative
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ORGANISM: Probe Sequence
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US-10-956-157-218351
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25; Conserv
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US-10-956-157-218349
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Best Local S:
Matches 25,
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APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 225352
LENGTH: 25
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US-10-956-157-228789, Application US/10956157

Sequence 228789, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:
MOUNTE APPLICANT: Wyeth

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SEQ ID NO 228789

LENGTH: 25

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US-10-956-157-229312
US-10-956-157-229312
US-10-956-157-229312
Sequence 229312.
Publication No. US20050118625A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Whoths, William
TITLE OF INVENTION: HUMAN OSTEGARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEGARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION WINBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
SOFTWARE: Patentin version 3.2
SEQ ID NO 229312
LENGTH: 25
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100.0%; Pred. No. 72;
vative 0; Mismatches
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CORGANISM: Probe Sequence
US-10-956-157-228789
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Best Local Similarity
Matches 25; Conserv
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Best Local
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Publication No. US20050118625A1

Sequence 221280

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Woeth

TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION NUMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARKE: PATENTIN VERSION 3.2

SEQ ID NO 221280

LENGTH: 25
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Sequence 222407, Application US/10956157

Sequence 222407, Application US/10956157

Sequence 222407, Application No. US20050118625A1

Sequence 222407, Application No. US20050118625A1

GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: USCAPE 0.04 10-04

TITLE OF INVENTION: USCAPE 0.04-10-04

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFFWARE: PATENTIN VERSION 3.2

SEQ ID NO 222407
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        DB 1; Length 25; 72;
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        Query Match 1.5%; Score 25; DB Best Local Similarity 100.0%; Pred. No. 72; Matches 25; Conservative 0; Mismatches
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100.0%; Pred. No. 72;
tive 0; Mismatches
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Publication No. US20050118625A1
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Best Local Similarity 100.
Matches 25; Conservative
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; ORGANISM: Probe Sequence
US-10-956-157-221280
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CORGANISM: Probe Sequence
US-10-956-157-222407
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APPLICANT: Mounts, William
TITLE OF INVENTION: NOCLEIC ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: NUCLEIC ADDARMAN FROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NO 231573
LENGTH: 25
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US-10-956-157-231724

US-10-956-157-231724

US-10-956-157-231724

Sequence 231724A Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wounts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: UNDER: US/10/956,157

CURRENT APPLICATION NUMBER: 2004-10-04

CURRENT APPLICATION NUMBER: 2004-10-04

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Sequence 231783, Application US/10956157

APPLICANT: Wounts, William

APPLICANT: Wounts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT APPLICATION NUMBER: US/10/956,157

SOFTWARRE PACENTIN VERSION 3.2

SEQ ID NO 231783

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100.0%; Pred. No. ...
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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US-10-956-157-231573
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; ORGANISM: Probe Sequence
US-10-956-157-231783
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Best Local Similarity
Matches 25; Conserv
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                                                                                                                                                                                                                                                                  Sequence 230136, Application US/10956157
Publication No. US20050118625A1
Fublication No. USCALIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FUBLE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
EENGTH: 25
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Publication No. US20050118625A1
Publication No. US20050118625A1
Publication No. US20050118625A1
APPLICANT: Wyeth
APPLICANT: Wounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE Patentin version 3.2
SEQ ID NO 230317
LENGTH: 25
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Pred. No. 72;
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100.0%; Pred. No. /.,
Query Match
1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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100.0%; Pred. No. 72;
iive 0; Mismatches
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Matches 25; Conservative
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; ORGANISM: Probe Sequence
US-10-956-157-230136
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ORGANISM: Probe Sequence
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Best Local Similarity
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US-10-956-157-230317
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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION NUMBER: US/10/956,157
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIN VERSION 3.2
SOFTWARE: PATENTIN VERSION 3.2
LENGTH: 25
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Publication No. US20050118625A1

GENERAL INFORMATION:
APPLICANT: Wyeth

TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOCTUMENT PILING DATE: 2004-10-04
SOCTUMENT PILING DATE: 2004-10-04
SOCTUMENT PILING DATE: 2004-10-05
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Publication No. US20050118625A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Woute, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 236817
- LENGTH: 25
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100.0%; Pred. No. 72;
ive 0; Mismatches
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100.0%; Pred. No.
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Best Local Similarity 100.
Matches 25; Conservative
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US-10-956-157-233762
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US-10-956-157-235882
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Best Local Similarity
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Matches 25; Conserv
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US-10-956-157-235882
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Publication No. US20050118625A1
GRNERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wouth
APPLICANT

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TITLE OF INVENTION: WUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION WUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 233330
LENGTH: 25
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100.0%; Pred. No. 72;
tive 0; Mismatches 0; Indels
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               Best Local Similarity 100.0%; Pred. No. 72, Matches 25; Conservative 0; Mismatches
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
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CORGANISM: Probe Sequence
US-10-956-157-233030
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ORGANISM: Probe Sequence
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Matches 25; Conserv
                                                                                                                                                                                                                                                                                                     RESULT 99
US-10-956-157-232704
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US-10-956-157-233030
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Sequence 252760, Application US/10956157

Sequence 252760, Application US/10956157

Publication No. US20050118625A1

Publication No. US20050118625A1

APPLICANT: Wyeth

APPLICANT: Wounts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REPRENCE: 031896-043000 (AM 101081)

CURRENT PILIOS DATE: 2004-110-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARES: PatentIn version 3.2

SEQ ID NO 252760
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; Sequence 253138, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
APPLICANT: Wounts, William
APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: UNMBER: US/10/956,157
CURRENT PELING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 253138
LENGTH: 25
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TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 431992
LENGTH: 25
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72;
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100.0%; Pred. No. 72;
tive 0; Mismatches
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Best Local Similarity 100.0
Matches 25; Conservative
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; ORGANISM: Probe Sequence
US-10-956-157-243092
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Best Local S
Matches 25
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Publication No. US20050118625A1

GENERAL INFORMATION:

GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Wyeeth

APPLICANT: Wounts, William

APPLICANT: Mounts, William

APPLICANT: Mounts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

SEQ ID NO 238337

LENGTH: 25
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APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
                                                                                                                                                                                                  Sequence 237638, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:
APPLICANT: Wyeth APPLICANT: William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319905

SOFTWARE: Patentin version 3.2
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Publication No. US20050118625A1
GENERAL INFORMATION:
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Matches 25; Conservative
                      25; Conservative
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US-10-956-157-238337
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ORGANISM: Probe Sequence
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Best Local Similarity
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US-10-956-157-237638
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LENGTH: 25
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Sequence 261789, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Weeth

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN: US/10/956,157

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

SEQ ID NO 261789

LENGTH: 25
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Publication No. US20050118625A1

GENERAL INFORMATION:
APPLICANT: Wyeth
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
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72;
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100.0%; Pred. No. ...
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PILE REFERENCE: 031896-043000 (AM 101081)
CURRENT PEPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SEQ ID NO 255203
LENGTH: 25
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Best Local Similarity 100.0
Matches 25; Conservative
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CORGANISM: Probe Sequence
US-10-956-157-256203
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LENGTH: 25
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                                                                                                                                                                  Sequence 255424, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFRENCE: 031996-043000 (AM 101081)
CURRENT APLICATION WHOBER: 2044-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIAN OSTEOARTHRITIS AND HUMAN PROTEASES
SOFTWARE: PATENT PLING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIAN OSTEOATION 3.2
SOFTWARE: PATENTIAN OSTEOATION 3.2
SOFTWARE: PATENTIAN OSTEOATION 3.2
LENGTH: 25
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Weeth
APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031996-04300 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 255957
LENGTH: 25
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APPLICANT: Mounts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLBIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
ITTLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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                           596 GTCCAGCATCATAGACGAGCTCTTC 620
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Publication No. US20050118625A1
GENERAL INFORMATION:
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APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wouth,
APPLICANT: Worth
APPLICANT: Mounts, William
APPLICANT: Mounts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: HOUGHEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH.
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,1S7
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SEQ ID NO 274079
LENGTH: 25
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| Publication No. US20050118625A1
| Publication No. US20050118625A1
| Publication No. US20050118625A1
| Publication No. US20050118625A1
| APPLICANT: Wyeth
| APPLICANT: Wyeth
| APPLICANT: Wyeth
| TITLE OF INVENTION: HUMAN OSTEDARTHRITIS AND HUMAN PROTEASES
| TITLE OF INVENTION: HUMAN OSTEDARTHRITIS AND HUMAN PROTEASES
| FILE REFERENCE: 031896-043000 (AM 101081)
| TITLE OF INVENTION: HUMAN OSTEDARTHRITIS AND HUMAN PROTEASES
| FILE REFERENCE: 031896-043000 (AM 101081)
| CURRENT APPLICATION WINDER: US/10/956,157
| CURRENT FILING DATE: 2004-10-04
| NUMBER OF SEQ ID NOS: 319805
| SOFTWARE: PatentIn version 3.2
| SEQ ID NO 274264
| LENGTH: 25
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v 100.0%; Pred. No. /...
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                                                                                                                                                                                                                                                                                 0; Mismatches
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ TWARE: PatentIn version 3.2
SEQ ID NO 273702
LENGTH: 25
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100.0%; Pred. No.
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Best Local Similarity luv...
These 25, Conservative
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US-10-956-157-273702
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ORGANISM: Probe Sequence
US-10-956-157-274264
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US-10-956-157-274079
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Best Local Similarity
Matches 25; Conserv
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                                                                                                                                           Sequence 268124, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Worth
APPLICANT: Worth
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-04300 (Am 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 268124
LENGTH: 25
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Sequence 269972, Application US/10956157

Sequence 269972, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wounts, William

TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: HUMAN OSTECDATHRITIS AND HUMAN PROTEASES

FILE REPERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILLING DATE: 2004-110-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

LENGTH. 25
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Woults, William
TITLE OF INVENTION: NUCLEIC ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
FILE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
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llarity 100.0%; Pred. No. 72;
Conservative 0; Mismatches
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    566 GGATGTCATGCAGGACCACTTCAGC 590
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                               1 GGATGTCATGCAGGACCACTTCAGC
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; ORGANISM: Probe Sequence
US-10-956-157-269972
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US-10-956-157-268124
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US-10-956-157-273702
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Best Local
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Sequence 28647, Application US/10956157

Publication No. US2050118625A1

SERVERAL INFORMATION:

APPLICANT: Wyeth

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILL REFERENCE: 2004-10-04

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT FILLIO DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2
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72;
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1.5%; Score 25; DB :
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
                                                                                                                                                                                                                          Query Match 1.5%; Score 25; DB Best Local Similarity 100.0%; Pred. No. 72; Matches 25; Conservative 0; Mismatches
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100.0%; Pred. No. 72;
ative 0; Mismatches
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CURRENT FILING DATE: 2004-10-04 NUMBER OF SEQ ID NOS: 319805 SOFTWARE: Patentin version 3.2 SEQ ID NO 281215 LENGTH: 25
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                                                                                                                          TYPE: DNA
ORGANISM: Probe Sequence
US-10-956-157-281215
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; ORGANISM: Probe Sequence
US-10-956-157-285561
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Best Local Similarity
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US-10-956-157-285561
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LENGTH: 25
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20-210-96-157-27922
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FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION WUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SOFTWARE: 274647
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wyeth
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
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                                                                                                                                            Sequence 274647, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
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1 GGCGAAGACCAGTACTATCTGCGGG
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; ORGANISM: Probe Sequence
US-10-956-157-274647
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; ORGANISM: Probe Sequence
US-10-956-157-279222
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Page

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APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Mounts, William
APPLICANT: Mounts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PALENTIN VERSION 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTECARTHITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-04300 (Am 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
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72;
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Best Acthes 25; Conservative 0; Mismatches
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 292100, Application US/10956157; Publication No. US20050118625A1; GENERAL INFORMATION:
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Sequence 292272, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth
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NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 291738
LENGTH: 25
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SOFTWARE: Patentin version 3.2
SEQ ID NO 292272
LENGTH: 25
                                                                                             ; TYPE: DNA; ORGANISM: Probe Sequence
US-10-956-157-291738
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US-10-956-157-292100
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US-10-956-157-292272
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LENGTH: 25
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Sequence 287832, Application US/10956157

Sequence 287832, Application US/10956157

Sequence 287832, Application US/10956157

Sequence 287832, Application US/10956157

GENERAL INFORMATION: Worth

APPLICANT: Wounts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: US/10/956,157

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

SOFTWARE: Patentin version 3.2

SEQ ID NO 287832
                                                                                                             Sequence 28588, Application US/10956157

Sequence 28588, Application US/10956157

GENERAL INCOMATION:

APPLICANT: Wyeth

APPLICANT: Wounts, WILLIAM

TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: HUMAN OSTEOARTHRITS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION UNMERS: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOGTWARE: Patentin version 3.2

SEQ ID NO SESSESS

LENGTH: 25
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Sequence 291738, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

TITLE OF INVENTION: NUCKEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: HUMAN OSTECOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04
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Pred. No. 72;
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100.0%; Pred
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ORGANISM: Probe Sequence
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; ORGANISM: Probe Sequence
US-10-956-157-287832
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Best Local Similarity
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APPLICANT: Wyeth
APPLICANT: Woute, William
APPLICANT: Woute, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERBURE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
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Sequence 287991, Application US/10956157

Publication No. US2050118625A1

Sequence 287991, Application US/10956157

Sequence 287991, Application US/10956157

GENERAL INFORMATION:

APPLICANT: Wounte, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT APPLICATION NUMBER: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patent In version 3.2

SEQ ID NO 287991

LENGTH: 25
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iive 0; Mismatches
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100.0%; Pred. No. 72;
ive 0; Mismatches
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100.0%; Pred. No. 90;
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SOFWARE: PatentIn version 3.2
SEQ ID NO 317598
LENGTH: 25
SOFTWARE: Patentin version 3.2
SEQ ID NO 316681
LENGTH: 25
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Best Local Similarity 100.
Matches 25; Conservative
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Matches 24; Conservative
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US-10-956-157-317598
                                                                                          ; ORGANISM: Probe Sequence US-10-956-157-316681
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US-10-956-157-287991
                                                                                                                                                             Query Match
Best Local Similarity
Matches 25; Conserv
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                                                                       TYPE: DNA
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                                                                            Sequence 297166, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN OSTECARTRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-04300 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 297166
LENGTH: 25
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Publication No. US20050118625A1
REBERATION:
APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Wounts, Wolfber Cald ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEDARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT FAPLICATION WUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 302171
LENGTH: 25
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Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wounts, WIlliam

TITLE OF INVENTION: HUGAN OSTEOATHRITS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION WHORER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805
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72;
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100.0%; Pred. No.
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Best Local Similarity 100.
Matches 25; Conservative
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US-10-956-157-297166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; ORGANISM: Probe Sequence
US-10-956-157-302171
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Matches 25; Conserv
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US-10-956-157-302171
                                                                       US-10-956-157-297166
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APPLICANT: GLEACK, MAILLING
APPLICANT: Nelson, Colleen
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
TITLE OF INVENTION: HAVING 2'-O-(2-METHOXY)ETHYL MODIFICATIONS
FILE REFERENCE: USC.P-020-3
CURRENT FILING DATE: 2002-02-22
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR FILING DATE: 2001-08-10
PRIOR PRIOR TILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: 09/944,326
PRIOR APPLICATION NUMBER: 09/944,326
PRIOR PRIOR DATE: 2001-08-10
PRIOR PLING DATE: 2001-08-10
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 17
LENGTH: 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 5, Application US/10380124

Sequence 5, Application US/10380124

Publication No. US20040053874A1

GENERAL INFORMATION:

APPLICANT: Brist Pranaceuticals, Inc.

APPLICANT: Brist Pranaceuticals, Inc.

APPLICANT: Susan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REFERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/10/380,124

CURRENT FILING DATE: 2003-03-10

SEQ ID NO 5EQ ID NOS: 90

LENGTH: 23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Jansen, Burkhard
APPLICANT: Gleave, Martin
APPLICANT: Signaevsky, Maxim
APPLICANT: Beraldi, Eliana
APPLICANT: Trougakos, Ioannis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Artificial Sequence
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Matches 23; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          957 AAGTGCCGGGAGATCT
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ORGANISM: HUMAN
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RESULT 134

US-10-719-956-187214

y Sequence 187214, Application US/10719956

y Publication No. US2040146910A1

general INPORMATION:
    APPLICANT: Xue Mei Zhou

rTILE OF INNENTION: Methods of Genetic Analysis of Rat

FILE REFERENCE: 3527.1

CURRENT APPLICATION NUMBER: US/10/719,956

CURRENT FILING DATE: 2003-11-20

PRIOR FILING DATE: 2002 11 20

NUMBER OF SEQ ID NOS: 699466

SOFFWARE: Microarray Probe Sequence Listing Generator V 1.1

LENOTH: 25
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US-10-080-794-17/c
'Sequence 17, Application US/10080794
'Publication No. US20030166591A1
'GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
ORGANISM: Rattus norvegicus
US-10-719-956-187214
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Best Local Similarity 100.
Matches 23; Conservative
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ORGANISM: HUMAN
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Gaps

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APPLICANT: Trougakos, Isonania
APPLICANT: Trougakos, Isonania
APPLICANT: Gonos, Efstathios
TITLE OF INVENTION: RNA1 Probes Targeting Cancer-Related Proteins
FILE REFERENCE: USC.P-030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-08-21
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin version 3.2
SEQ ID NO 63
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. Sequence 66, Application US/10646436
. Publication No. US20040096882A1
. GENERAL INFORMATION:
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Best Local Similarity 100.0%; Pi
Matches 23; Conservative 0;
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ORGANISM: human
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US-10-646-436-63
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APPLICANT: Gonos, Efstathios
TITLE OF INVENTION: RNA! Probes Targeting Cancer-Related Proteins
FILE REPERENCE: UBC.) 100
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2003-08-21
PRIOR PAPLICATION NUMBER: US 60/408,152
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR PILING DATE: 2003-09-03
PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR PILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin version 3.2
SEQ ID NO 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        JERUSTICANT: Jansen, Burkhard

APPLICANT: Jansen, Burkhard

APPLICANT: Jansen, Burkhard

APPLICANT: Jansen, Burkhard

APPLICANT: Signaevsky, Maxxim

APPLICANT: Signaevsky, Maxxim

APPLICANT: Signaevsky, Maxxim

APPLICANT: Genes, Effectation

ITLE OF INVENTION: RNA! Probes Targeting Cancer-Related Proteins

TITLE OF INVENTION: RNA! Probes Targeting Cancer-Related Proteins

FILE REFERENCE: UBC.P-030

CURRENT APPLICATION NUMBER: US 60/405,193

PRIOR APPLICATION NUMBER: US 60/405,193

PRIOR APPLICATION NUMBER: US 60/408,152

PRIOR PLING DATE: 2002-09-03

PRIOR PILING DATE: 2002-09-03

PRIOR PILING DATE: 2003-05-20

NUMBER OF SEQ ID NOS: 68

SOFTWARE: PatentIn version 3.2

FROM PLING PATEL CONSIDER

SEQ ID NO 60
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100.0%; Pred. No.
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Publication No. US20040096882A1
GENERAL INFORMATION
APPLICANT: Jansen, Burkhard
APPLICANT: Gleave, Martin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 60, Application US/10646436
Publication No. US20040096882A1
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Best Local Similarity 100.(
Matches 23; Conservative
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hes 23; Conservative
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US-10-646-436-60
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US-10-646-436-63
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Length 23;

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APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Maxim
APPLICANT: Gleave, Maxim
APPLICANT: Beraldi, Eliana
APPLICANT: Trougakoe, Ioannis
APPLICANT: Gronos, Efetathios
ITILE OF INVENTION: RNA! Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC/0.00 NUMBER: US/10/646,436
CURRENT APPLICATION NUMBER: US 60/405,193
PRIOR PELICATION NUMBER: US 60/405,193
PRIOR PELING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin version 3.2
SEQ ID NO 66
SEQ ID NO 66
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                                                 1613 AACTAATTCAATAAAACTGTCTT 1635
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                                                                                                 1 AACTAATTCAATAAACTGTCTT 23
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Sequence 167170, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wyeth

TITLE OF INVENTION: UNCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: HUMAN OSTEDARTHAITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SEQ ID NO 167170

LENGTH: 25
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US-10-956-157-167171
Sequence 167171, Application US/10956157
Sequence 167171, Application US/10956157
Sequence 167171, Application US/10956157
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Wyeah
TITLE OF INVENTION: HUMAN OSTEOARTRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTRITIS AND HUMAN PROTEASES
CURRENT APPLICATION HUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SEQ ID NO 167171
LENGTH: 25
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                                                                    1.3%; Score 22; DB 1; Length 25; 100.0%; Pred. No. 1.4e+02; ive 0; Mismatches 0; Indels
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llarity 100.0%; Pred. No. 1.4e+02;
Conservative 0; Mismatches 0;
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1.4e+02;
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US-10-956-157-228788
; Sequence 228788, Application US/10956157
                                                                                                                                                                        1622 AATAAAACTGTCTTGTGAGCTG 1643
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                                                                                              Best Local Similarity 100.
Matches 22; Conservative
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ORGANISM: Probe Sequence
US-10-956-157-167171
  ORGANISM: Probe Sequence
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Best Local Similarity
Matches 22; Conserv
       ; OKGANISM: F1000
US-10-956-157-167169
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                                                                         Query Match
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Matches
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US-10-956-157-167169

is Sequence 167169, Application US/10956157

is Publication No. US20050118625A1

is Publication No. US20050118625A1

is GENERAL INFORMATION:

A PPLICANT: Wyeth

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: US/10/956,157

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

NUMBER OF SEQ ID NOS: 319805
               APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wouts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
LENGTH: 25
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Publication No. US20050152908A1
GENERAL INFORMATION:
ITILE OF INVENTION: LIVER CANCER BIOMARKERS
FILE REPERENCE: 4231/2072
CURRENT APPLICATION NUMBER: US/10/980,850
CURRENT FILING DATE: 2004-11-03
FRIOR FILING DATE: 2003-11-03
NUMBER OF SEQ ID NOS: 46
SOFTWARE: Patentin version 3.1
SEG ID NOS: 46
LENGTH: 22
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US-10-980-850-34
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Matches 23, Conservative
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ORGANISM: Probe Sequence
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GENERAL INFORMATION:
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LENGTH: 25
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US-10-719-900-417945
US-10-719-900-417945, Application US/10719900
; Sequence 417945, Application US/10719900
; Publication No. US20050026164A1
; GENERAL INFORMATION:
; TYTLE OF INVENTION: Methods of Genetic Analysis of Mouse;
; TILE REFERENCE: 3528.1
; CURRENT RELING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,808
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; ERGAL 2.00
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Sequence 417946, Application US/10719900

Publication No. 220050026164A1

GENERAL INFORMATION:

APPLICANT: Xue Mei Zhou

TITLE OF INVENTION: Methods of Genetic Analysis of Mouse

FILE REFERENCE: 3528.1

CURRENT APPLICATION NUMBER: US/10/719,900

CURRENT FILING DATE: 2003-11-20

PRIOR PILING DATE: 2002-11-20

NUMBER OF SEQ ID NOS: 982914

SEQ ID NO 417946

LENGTH: 25

LENGTH: 25
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1.3%; Score 21.8; DB 1;
Best Local Similarity 92.0%; Pred. No. 1.4e+02;
Matches 23; Conservative 0; Mismatches 2;
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92.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 2;
                                           Score 21.8; DB 1;
Pred. No. 1.4e+02;
0; Mismatches 2;
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; Publication No. US20050026164A1
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Best Local Similarity 92.0%;
Matches 23; Conservative (
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Best Local Similarity 92.0°
Matches 23, Conservative
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US-10-719-900-417945
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US-10-719-900-417946
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US-10-719-900-815718
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      US-10-719-900-56804
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyelh
APPLICANT: Woult,
Mounts, William
TITLE OF INVENTION: HUMAN OSTECARTRIIIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-04300 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 228788
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US-10-956-157-279365

US-10-956-157-279365

Sequence 279365, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wyeth

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: PatentIn version 3.2

SEQ ID NO 279365

LENGTH: 25
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 56804
LENGTH: 25
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Publication No. US20050026164A1
GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITUE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528.1
CURRENT APPLICATION NUMBER: US/10/719,900
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,808
PRIOR FILING DATE: 2002 11 20
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1.3%; Score 22; DB 1;
Best Local Similarity 100.0%; Pred. No. 1.4e+05
Matches 22; Conservative 0; Mismatches C
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; ORGANISM: Probe Sequence
US-10-956-157-228788
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; ORGANISM: Probe Sequence
US-10-956-157-279365
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Best Local Similarity
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Gaps

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Query Match
1.3%; Score 21.8; DB 1; Length 2
Best Local Similarity 92.0%; Pred. No. 1.4e+02;
Matches 23; Conservative 0; Mismatches 2; Indels
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ilarity 92.0%;
Conservative (
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; SEQ ID NO 31760
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-809-189-31760
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Best Local Similarity
Matches 23; Conserv
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US-10-719-900-892165
is Sequence 892165, Application US/10719900
; Publication No. US20050026164A1
; GENERAL INFORMATION:
APPLICART: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528.1
; CURRENT APPLICATION NUMBER: US/10/719,900
; PRIOR PILING DATE: 2003-11-20
; PRIOR FILING DATE: 2003-11-20
; PRIOR FILING DATE: 2002 11 20
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; ERWINE: ...
: LENGTH: 25
; TENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1.3%; Score 21.8; DB 1; Length 25; 92.0%; Pred. No. 1.4e+02; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                             Query Match
1.3%; Score 21.8; DB 1; Length 25;
Best Local Similarity 92.0%; Pred. No. 1.40+02;
Matches 23; Conservative 0; Mismatches 2; Indels
                               APPLICATION AND METHODS OF GENETIC Analysis of Mouse TITLE OF INVENTION: Methods of Genetic Analysis of Mouse FILE REFERENCE: 35.28 print APPLICATION NUMBER: US/10/719,900 CURRENT FILING DATE: 2003-11-20 PRIOR PILIATION NUMBER: 60/427,808 PRIOR FILING DATE: 2002 11 20 NUMBER OF SEQ ID NOS: 982914 SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1 SEQ ID NO 815718 LENGTH: 25
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US-10-US-31.00

Sequence 31760, Application US/10809189

Publication No. US20050048531A1

GENERAL INPORMATION:
APPLICANT: Michael Mittmann
APPLICANT: David Mack
APPLICANT: David Mack
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/10/809,189

CURRENT APPLICATION NUMBER: US/09/396,196

PRIOR PILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 60/100,678

PRIOR FILING DATE: 1998-09-15

NUMBER OF SEQ ID NOS: 127806

SOFTWARE: FastSEQ for Windows Version 4.0
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Best Local Similarity 92.0%
Matches 23; Conservative
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; ORGANISM: Mus musculus
US-10-719-900-892165
                                                                                                                                                                                                                                                                                            ; TYPE: DNA
; ORGANISM: Mus musculus
US-10-719-900-815718
              GENERAL INFORMATION:
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US-10-719-956-30749/C
US-10-719-956-30749/C
US-10-719-956-30749, Application US/10719956
; Publication No. US20040146910A1
; GENERAL INFORMATION:
; APPLICAMY: Wee Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527.1
; CURRENT APPLICATION NUMBER: US/10/719,956
; CURRENT PILING DATE: 2003-11-20
; PRIOR FILING DATE: 2003-11-20
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
: LENGIT: 25
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Sequence 187213, Application US/10719956

Publication No. US20040146910A1

GENERAL INFORMATION:

APPLICANT: Xue Mei Zhou

TITLE OF INVENTION: Methods of Genetic Analysis of Rat

FILE REFERENCE: 3527.1

CURRENT APPLICATION NUMBER: US/10/719,956

CURRENT FILING DATE: 2003-11-20

PRIOR FILING DATE: 2002-11 20

NUMBER: OF SEQ ID NOS: 699466

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 187213
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Pred. No. 1.4e+02;
0; Mismatches 2;
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1.3%; Score 21.8; DB 1;
Best Local Similarity 92.0%; Pred. No. 1.46+02;
Matches 23; Conservative 0; Mismatches 2;
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LENGTH: 25
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            US-10-719-956-374026/c

Sequence 374026, Application US/10719956

Publication No. US2040146910A1

GENERAL INPORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REPRENCE: 3527.1

CURRENT APPLICATION NUMBER: US/10/719,956

CURRENT FILING DATE: 2003-11-20

PRIOR APPLICATION NUMBER: 60/427,836

PRIOR PILING DATE: 2002 11.20

NUMBER OF SEQ ID NOS: 699466

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 501381, Application US/10719956
| Publication No. US20040146910A1 |
| GENERAL INFORMATION: |
| APPLICANT: We Mei Zhou |
| TITLE OF INVENTION: Methods of Genetic Analysis of Rat |
| FILE REFERENCE: 3527.1 |
| CURRENT APPLICATION NUMBER: US/10/719,956 |
| CURRENT FILING DATE: 2003-11-20 |
| PRIOR PILING DATE: 2002 11.20 |
| WIMBER OF SEQ ID NOS: 699466 |
| SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1 |
| LENGTH: 25 |
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US-10-719-956-612442/C

Sequence 612442, Application US/10719956

Publication No. US20040146910A1

GENERAL INFORMATION:

TENDICATION:

TITLE OF INVENTION:

WETHORS OF GENERIC 3527.1

CURRENT FILING DATE: 2003-11-20

PRIOR PILING DATE: 2003-11-20

PRIOR PILING DATE: 2002 11 20

NUMBER OF SEQ ID NOS: 699466

SOFTWARE MICROALIZATION NOS: 699466

SOFTWARE MICROALIZATION PROBE SEQUENCE Listing Generator V 1.1

SEQ ID NO 612442
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 1.3%; Score 21.8; DB 1; Length 25; Best Local Similarity 92.0%; Pred. No. 1.4e+02; Matches 23; Conservative 0; Mismatches 2; Indels
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; ORGANISM: Rattus norvegicus
US-10-719-956-374026
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: DNA; CACTUB norvegicus US-10-719-956-501381
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US-10-719-956-501381
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                                                                                    Score 21.8; DB 1; Length 25;
Pred. No. 1.4e+02;
0; Mismatches 2; Indels
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Sequence 4, Application US/09944326
Sequence 10. US20020128220A1
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Nelson, Colleen
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY
FILE REFERENCE: UBC. P-020-2
CURRENT APPLICATION NUMBER: 06/121,726
FRIOR FILING DATE: 199-02-26
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR FILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-11
SEQ ID NO 4
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Myake, Hideaki
APPLICANT: Myake, Hideaki
APPLICANT: Myake, Hideaki
APPLICANT: Nelson, Colleen
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY
FILE REFERENCE: UBC.P-020-2
CURRENT APPLICATION NUMBER: 09/944,326
CURRENT FILING DATE: 2001-08-30
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR FILING DATE: 2001-08-10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21 CCGAGGCGTGCAAAGACTCCA 1
                                                                                            Query Match
1.3%;
Best Local Similarity 92.0%;
Matches 23; Conservative
TYPE: DNA
ORGANISM: Rattus norvegicus
US-10-719-956-612442
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SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 3
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Best Local Similarity 100.
Matches 21; Conservative
                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
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ORGANISM: HUMAN
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ORGANISM: HUMAN
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Gaps
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                                                                          Length 21;
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                                                                                                                      0; Indels
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Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
                                                                       Query Match
1.3%; Score 21; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                     Sequence 7,7 Application US/09944326

Patent No. US20020128220A1

GENERAL INFORMATION:

APPLICANT: Gleave, Martin

APPLICANT: Gleave, Martin

APPLICANT: Miyake, Hideaki

APPLICANT: Nelson, Colleen

TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY

FILE REFERENCE: UBC.P-020-2

CURRENT FILING DATE: 2001-08-30

PRIOR APPLICATION NUMBER: 60/121,726

PRIOR APPLICATION NUMBER: 60/121,726

PRIOR PELING DATE: 1999-02-26

PRIOR FILING DATE: 1999-02-26

PRIOR FILING DATE: 2001-08-10

NUMBER OF SEQ ID NOS: 14

SEQ ID NO 7

LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-02-344-326-9/C
Sequence 8, Application US/09944326
Fatent No. US20020128220A1
GREERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Nelson, Colleen
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY
FILE REFERENCE: UBC.P-020-2
CURRENT APPLICATION NUMBER: US/09/944,326
CURRENT APPLICATION NUMBER: 60/121,726
FRIOR APPLICATION NUMBER: 09/913,325
FRIOR FILING DATE: 1999-02-26
FRIOR APPLICATION NUMBER: 09/913,325
FRIOR FILING DATE: 2001-08-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PATENTIN Ver. 2.1
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ORGANISM: HUMAN
FEATURE:
OTHER INFORMATION: antisense TRPM-2 ODN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TYPE: DNA
GRGANISM: HUMAN
; FEATURE:
; CTHER INFORMATION: antisense TRPM-2 ODN
US-09-944-326-7
; OTHER INFORMATION: antisense TRPM-2 ODN US-09-944-326-6
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                                                                                                                                                                     316 AATCAGAGACAAAGCTGAAGG 336
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US-09-944-326-7/c
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                                                                                                  Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 21; Conservative 0; Mismatches 0; Indels
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1.3%; Score 21; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
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WS-09-944-326-6/C
Sequence 6, Application US/09944326
Fatent No. US20020128220A1
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Remie, Paul S.
APPLICANT: Nalyake, Hideaki
APPLICANT: Nalson, Colleen
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY
FILE REPRENCE: UBC.P-020-2
CURRENT APPLICATION NUMBER: US/09/944,326
CURRENT APPLICATION NUMBER: 60/12,726
PRIOR APPLICATION NUMBER: 60/12,726
PRIOR APPLICATION NUMBER: 60/12,726
PRIOR APPLICATION NUMBER: 60/12,726
PRIOR APPLICATION NUMBER: 09/913,325
FRIOR PILING DATE: 2001-08-10
NUMBER OF SEQ ID NOS: 14
SEQ ID NO 6
LENGTH: 21
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US-09-944-326-5/c
Sequence 5, Application US/09944326
Sequence 5, Application US/09944326
Sequence 5, Application US/09944326
Sequence 5, Application US/09944326
SEREMATION:
APPLICANT: Rennie, Paul S.
APPLICANT: Rennie, Paul S.
APPLICANT: Nelson, Colleen
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY
FILE REFERENCE: UBC.P-020-2
CURRENT APPLICATION NUMBER: US/09/944,326
CURRENT APPLICATION NUMBER: US/09/944,326
CURRENT APPLICATION NUMBER: 05/121,726
PRIOR APPLICATION NUMBER: 05/121,726
PRIOR APPLICATION NUMBER: 05/121,726
PRIOR APPLICATION NUMBER: 05/121,726
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR FILING DATE: 2001-08-10
NUMBER OF SEQ ID NOS: 14
SEQ ID NO 5
LENGTH: 21
              ; FEATURE:
; OTHER INFORMATION: antisense TRPM-2 ODN
US-09-944-326-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ) OTHER INFORMATION: antisense TRPM-2 ODN US-09-944-326-5
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                                                                                                                                                                                                     48 ATGATGAAGACTCTGCTG 68
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ORGANISM: HUMAN
FEATURE:
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ORGANISM: HUMAN
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                                Query Match
1.3%; Score 21; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
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1.3%; Score 21; DB 1; Lv
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
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Patent No. US20020128220A1
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Nelson, Colleen
TITUE OF INVENTION: TRPM-2 ANTISENSE THERAPY
FILE REFERENCE: UBC.P-020-2
CURRENT FILING DATE: 2001-08-30;
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR FILING DATE: 1999-02-26
PRIOR FILING DATE: 1999-02-26
PRIOR FILING DATE: 2001-08-10
NUMBER OF SEQ ID NOS: 14
SEQ ID NO 12
LENGTH: 21
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                                                                                                                                                                        1115 CTCCTTGCTGGAGCTGAA 1135
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ORGANISM: HUMAN
FEATURE:
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ORGANISM: HUMAN
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US-09-944-326-11/c
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                                                                   1.3%; Score 21; DB 1; Length 21; 100.0%; Pred. No. 1.2e+02; tive 0; Mismatches 0; Indels
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Facent No. US20020128220A1

GENERAL INFORMATION:

APPLICANT: Rennie, Paul S.

APPLICANT: Rennie, Paul S.

APPLICANT: Miyake, Hideaki

APPLICANT: Nelson, Colleen

TITLE OF INVENTION: TRRM-2 ANTISENSE THERAPY
FILE REFERENCE: UBC.P-020-2

CURRENT APPLICATION NUMBER: US/09/944,326

CURRENT APPLICATION NUMBER: 09/913,325

FRIOR PILING DATE: 2001-08-30

PRIOR APPLICATION NUMBER: 09/913,325

PRIOR PILING DATE: 2001-08-10

NUMBER OF SEQ ID NOS: 14

SEQ ID NO 10

LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 9, Application US/09944326; Sequence 9, Application US/09944326; Patent No. US20020128220A1
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Miyake, Hideaki
APPLICANT: Nelson, Colleen
TITLE OF INVENTION: TREM-2 ANTISENSE THERAPY
FILE REFERENCE: UBC.P-020-2
CURRENT FILING DATE: 2001-08-30
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR PILING DATE: 2001-08-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PatentIn Ver: 2.1
SEQ ID NO 9
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Best Local Similarity 100.v.
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ORGANISM: HUMAN
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ORGANISM: HUMAN
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US-09-944-326-8
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Sequence 4, Application US/09967726A
; Sequence 4, Application US/09967726A
; Bublication No. US20030158130A1
; GENERAL INFORMATION.
; APPLICANT: Glaave, Martin
; APPLICANT: Rennie, Paul S.
; APPLICANT: Rennie, Paul S.
; APPLICANT: Myake, Hideaki
; APPLICANT: Nelson, Colleen
; APPLICANT: Olloen
; TITLE OF INVENTION: Oligonucleotides
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US-995-7.26A-5/C
Sequence 5, Application US/09967726A
Fublication No. US20030158130A1
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Myake, Hideaki
APPLICANT: Nelson, Colleen
APPLICANT: Nelson, Colleen
TITLE OF INVENTION: Oligonucleotides
TITLE OF INVENTION: Oligonucleotides
TITLE OF INVENTION UMBER: US/09/967,726A
CURRENT APPLICATION NUMBER: US/09/967,726A
CURRENT FILING DATE: 2010-09-28
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin version 3.1
SEQ ID NO 5
LENGTH: 21
TYPE: DNA
CREANISM: human
US-09-967-726A-5
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Sequence 6, Application US/09967726A

Publication No. US20030158130A1

GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Miyake, Hideaki
APPLICANT: Nelson, Colleen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          114 GACCAGACGGTCTCAGACAAT 134
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Best Local Similarity 100.0
Matches 21, Conservative
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Best Local Similarity 100.0
Matches 21; Conservative
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US-09-967-726A-3/C

Sequence 3, Application US/09967726A

Publication No. UG20030158130A1

GENERAL INFORMATION:

APPLICANT: Rennie, Paul S.

APPLICANT: Rennie, Paul S.

APPLICANT: Rennie, Paul S.

APPLICANT: Nelson, Colleen

APPLICANT: Delleger, Toblas

TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2

FILE REFERENCE: UBC.P-02.

FILE REFERENCE: UBC.P-02.

CURRENT APPLICATION NUMBER: US/09/967,726A

CURRENT FILING DATE: 2001-09-28

NUMBER OF SEQ ID NOS: 15

SOFTWARE: Patentin version 3.1

SEQ ID NO 3

LENGTH: 21

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PREAFOR NO. US/0020136716A1
GENERAL INFORMATION:
TITLE OF INVENTION: Compositions and Methods For Altering Cell Migration
FILE REFERENCE: 0794.016A
CURRENT FILING DATE: 1999-12-10
PRIOR APPLICATION NUMBER: 60/111,856
PRIOR PELOR FLING DATE: 1999-12-11
NUMBER OF SEQ ID NOS: 17
SOFTWARE PARENTING DATE: 21
SEQ ID NO 14
LENGTH: 21
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OTHER INFORMATION: Description of Artificial Sequence:primer bind
OTHER INFORMATION: synthetic sense primer based on porcine clusterin
US-09-485-7490-14
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Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 21; Conservative 0; Mismatches 0; Indels
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1.3%; Score 21; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
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; ORGANISM: human
US-09-967-726A-3
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Sequence 9, Application US/09967726A
Publication No. US20030158130A1
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Melon, Colleave, Martin
APPLICANT: Melon, Colleave, Tobias
TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRFM-2
TITLE OF INVENTION: Oligonucleotides
FILE REFERENCE: USC-P-02
CURRENT APPLICATION NUMBER: US/09/967,726A
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin version 3.1
SEQ ID NO 9
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Publication No. US20030158130A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Myake, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Sellweger, Toblas
TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2
TITLE OF INVENTION: Oligomuclectides
TITLE OF INVENTION: Oligomuclectides
FILE REFERENCE: UBC.P-022
CURRENT APPLICATION NUMBER: US/09/967,726A
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin version 3.1

SEQ ID NO.10
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100.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 0;
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Best Local Similarity 100.
Matches 21; Conservative
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Best Local Similarity 100.
Matches 21; Conservative
                                                                                                                                                                                                                                         ; TYPE: DNA
; ORGANISM: human
US-09-967-726A-8
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ORGANISM: human
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; ORGANISM: human
US-09-967-726A-10
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10828394-1_1-1

**PELICANT: Zellweger, Tobias

**TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2

**TITLE OF INVENTION: Oligonucleotides

**FILE REFERENCE: UBC.P-022

**CURRENT APPLICATION NUMBER: US/09/967,726A

**CURRENT FILING DATE: 201-09-28

**NUMBER OF SEQ ID NOS: 15

**SEQ ID NOS 6

**LENGTH: 21

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Publication No. US20030158130A1

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Miyake, Hideaki
APPLICANT: Misson, Colleen
APPLICANT: Nelson, Colleen
APPLICANT: Olleen
APPLICANT: Olleen
APPLICANT: No. Olleen
APPLICANT: APPLICATION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2
TITLE OF INVENTION: Oligonucleotides
FILE REFERENCE: USC.P-022
CURRENT APPLICATION NUMBER: US/09/967,726A
CURRENT FILING DATE: 2001-09-28
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin version 3.1
SEQ ID NO 8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 21; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
CRGANISM: human
US-09-967-726A-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: DNA
; ORGANISM: human
US-09-967-726A-7
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APPLICANT: Willis, Albert J. T.

APPLICANT: Willis, Albert J. T.

TITLE OF INVENTION: Compositions and Methods For Altering Cell Migration
TITLE OF INVENTION: Compositions and Methods For Altering Cell Migration
FILE REFERENCE: 0794.016A

CURRENT APPLICATION WUMBER: US/10/270,871

CURRENT FILING DATE: 1999-12-10

PRIOR APPLICATION WUMBER: US/09/459,749D

PRIOR APPLICATION WUMBER: US/09/459,749D

PRIOR FILING DATE: 1999-12-11

NUMBER O SEQ ID NOS: 17

SEQ ID NO 14

LENGTH: 21

TYPE: DNA

ORGANISM: Artificial Sequence

PEATURE:

PEATURE:

PEATURE:
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US-10-080-794-3/c
US-10-080-794-3/c
Sequence 3, Application US/10080794
; Publication No. US20030166591A1
; GENERAL INFORMATION:
MAPPLICANT: Gleave, Martin
APPLICANT: Mennie, Paul S.
; APPLICANT: Monie, Colleen
APPLICANT: Monie, Sett P.
; TITLE OF INVENTION: TREM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
; TITLE OF INVENTION: HAVING 2'-0-(2-METHOXY)ETHYL MODIFICATIONS
; TITLE REPRENCE: USC,P-0-0-3
; CURRENT APPLICATION NUMBER: US/10/080,794
; CURRENT FILING DATE: 2002-02-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: synthetic sense primer based on porcine clusterin US-10-270-871-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: Description of Artificial Sequence:primer_bind PEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 1.2e+02;
iive 0; Mismatches 0;
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PRIOR APPLICATION NUMBER: 60/121,726

PRIOR FILING DATE: 1999-02-26

PRIOR FILING DATE: 1999-02-26

PRIOR FILING DATE: 2001-08-10

PRIOR APPLICATION NUMBER: 09/944,326

PRIOR FILING DATE: 2001-08-30

NUMBER OF SEQ ID NOS: 19

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 3

LENGTH: 21
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Best Local Similarity 100.
Matches 21; Conservative
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US-10-080-794-4/c
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                                                                                                                                                                                                                      Sequence 11, Application US/09967726A
; Sequence 11, Application WS20030158130A1
; Debulication No. US20030158130A1
; GENERAL INFORMATION:
    APPLICANT: Gleave, Mattin
; APPLICANT: Rennie, Paul S.
; APPLICANT: Rennie, Paul S.
; APPLICANT: Nelson, Colleen
APPLICANT: Nelson, Colleen
; APPLICANT: De INVENTION: Chamo- and Radiation-Sensitization of Cancer by Antisense TRPM-2
; TITLE OF INVENTION: Chamo- and Radiation-Sensitization of Cancer by Antisense TRPM-2
; TITLE OF INVENTION: Chamo- and Radiation-Sensitization of Cancer by Antisense TRPM-2
; TITLE OF INVENTION: Chamo- and Radiation-Sensitization of Cancer by Antisense TRPM-2
; TITLE OF INVENTION: Chamo- and Radiation-Sensitization of Cancer by Antisense TRPM-2
; TITLE OF INVENTION: Oligomucleotides
; TITLE OF INVENTION: Chamo- and Radiation-Sensitization of Cancer by Antisense TRPM-2
; TITLE OF INVENTION: Chamo- and Radiation-Sensitization of Cancer by Antisense TRPM-2
; TITLE OF INVENTION: Oligomucleotides
; TITLE OF I
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; Sequence 12, Application US/09867726A
; Sequence 12, Application US/0930158130A1
; GENERAL INFORMATION:
    APPLICANT: Gleave, Martin
; APPLICANT: Rennie, Paul S.
    APPLICANT: Nelson, Colleen
; APPLICANT: Nelson, Colleen
; APPLICANT: Callweger, Tobias
; TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2
; TITLE OF INVENTION: Oligonucleotides
; TITLE OF INVENTION: Oligonucleotides
; TITLE OF INVENTION: US/09/967,726A
; CURRENT APPLICATION NUMBER: US/09/967,726A
; CURRENT FILING DATE: 2001-09-28
; NUMBER OF SEQ ID NOS: 15
; SEQ ID NO 12
: LENGTH: 21
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              1115 CTCCTTGCTGGAGCAGCTGAA 1135
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US-10-270-871-14
Sequence 14, Application US/10270871
; Publication No. US20030162702A1
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CRGANISM: human
US-09-967-726A-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: human
                                                                                                                                                                                      RESULT 179
US-09-967-726A-11/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-967-726A-12
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sequence 6, Application US/10080794
; Bublication No. US20030166591A1
; Publication No. US20030166591A1
; GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Nolson, Colleen
APPLICANT: Nolson, Colleen
APPLICANT: Nonia, Brett P.
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
TITLE OF INVENTION: HAVING 2'-O-(2-METHOXY) ETHYL MODIFICATIONS
FILE REFERENCE: UBC.P-020-3
CURRENT APPLICATION NUMBER: US/10/080,794
CURRENT FILING DATE: 2002-02-22
; PRIOR FILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-10
; PRIOR FILING DATE: 2001-08-10
; PRIOR FILING DATE: 2001-08-10
; RIOR FILING DATE: 2001-08-10
; RIOR FILING DATE: 2001-08-10
; ROWER OF SEQ ID NOS: 19
; SEQ ID NOS: 19
; SEQ ID NOS: 19
; SEM-TH. 21
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; Bublication No. US20030166591A1
; GRNERAL INFORMATION:
; APPLICANT: Gleave, Martin
; APPLICANT: Rennie, Paul S.
; APPLICANT: Nelson, Colleen
; APPLICANT: Miyake, Hideaki
; APPLICANT: Miyake, Hideaki
; APPLICANT: Monia, Brett P.
; TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
; TITLE OF INVENTION: HAVING 2'-O-(2-METHOXY) ETHYL MODIFICATIONS
; TITLE OF INVENTION: HAVING 2'-O-(2-METHOXY) ETHYL MODIFICATIONS
; TITLE NETLING DATE: 1090-02-22
; CURRENT FILING DATE: 1099-02-26
; PRIOR FILING DATE: 2001-08-10
; PRIOR FILING DATE: 2001-08-10
; PRIOR FILING DATE: 2001-08-10
; PRIOR PILING DATE: 2001-08-10
; RIOR PILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PATENTIN Ver. 2.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; OTHER INFORMATION: antisense TRPM-2 ODN US-10-080-794-6
              114 GACCAGACGGTCTCAGACAAT 134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  316 AATCAGAGACAAAGCTGAAGG 336
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ORGANISM: HUMAN
FEATURE:
                                                                                                                                                                             RESULT 185
US-10-080-794-6/c
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Sequence 5, Application US/10080794

Publication No. US2030166591A1

GENERAL INFORMATION:

APPLICANT: Gleave, Martin

APPLICANT: Miyake, Hideaki

APPLICANT: Miyake, Hideaki

APPLICANT: Molson, Collen

APPLICANT: Molson, 194

CURRENT APPLICATION NUMBER: US/10/080, 794

PRIOR PILING DATE: 1999-02-26

PRIOR APPLICATION NUMBER: 09/913,325

PRIOR APPLICATION NUMBER: 09/913,325

PRIOR PELING DATE: 2001-08-30

NUMBER OF SEQ ID NOS: 19

SOFTWARE: Patentin Ver: 2.1

SEQ ID NO 5

LENGTH: 21

TITLE OF INVENTION NUMBER: 09/944,326

PRIOR FILING DATE: 2010-08-30

NUMBER OF SEQ ID NOS: 19

SOFTWARE: Patentin Ver: 2.1

SEQ ID NO 5

LENGTH: 21
                                                                                        APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Rennie, Paul S.
APPLICANT: MIYAKE, Hideaki
APPLICANT: MIYAKE, Hideaki
APPLICANT: MIYAKE, HIDEAKI
APPLICANT: MOISON. Colleen
TITLE OF INVENTION: TREET P.
TITLE OF INVENTION: HAVING 2'-O'(2-METHOXY)ETHYL MODIFICATIONS
TITLE OF INVENTION: HAVING 2'-O'(-METHOXY)ETHYL MODIFICATIONS
FILE REFERENCE: UBC.-D-020-3
CURRENT FILING DATE: 2002-02-22
FRIOR APPLICATION NUMBER: 09/913,325
PRIOR FILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-30
PRIOR FILING DATE: 201-08-30
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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels
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; OTHER INFORMATION: antisense TRPM-2 ODN US-10-080-794-5
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Sequence 4, Application US/10080794
Publication No. US20030166591A1
GENERAL INFORMATION:
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ORGANISM: HUMAN
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ORGANISM: HUMAN
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GENERAL INCREALING

APPLICANT: Gleave, Martin

APPLICANT: Rennie, Paul S.

APPLICANT: Midaki

APPLICANT: Midaki

APPLICANT: Monia, Brett P.

TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE

TITLE OF INVENTION: TRPM-2 -0-(2-METHOXY) ETHYL MODIFICATIONS

TITLE OF INVENTION: TRPM-2 1-0-(2-METHOXY) ETHYL MODIFICATIONS

FILE REFERENCE: UBC. P-020-3

CURRENT FILING DATE: 2002-02-26

PRIOR FILING DATE: 1999-02-26

PRIOR FILING DATE: 1999-02-26

PRIOR FILING DATE: 2001-08-10

PRIOR FILING DATE: 2001-08-30

NUMBER OF SEQ ID NOS: 19

SEQ ID NO 10

LENGTH: 21

LENGTH: 21
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| SQUENCE 11, Application US/10080794
| Publication No. US20030166591A1
| GENERAL INFORMATION:
| APPLICANT: Gleave, Martin | APPLICANT: Miyake, Hideaki | APPLICANT: Nelson, Collen | APPLICANT: Monia, Brett P. TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE | TITLE OF INVENTION: HAVING 2'-0-(2-METHOXY) ETHYL MODIFICATIONS | FILE REFERENCE: UBC.P-020-3; CURRENT APPLICATION NUMBER: US/10/080,794
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Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                   Query Match
1.3%; Score 21; DB 1; Lk
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
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CTHER INFORMATION: antisense TRPM-2 ODN
US-10-080-794-10
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CTHER INFORMATION: antisense TRPM-2 ODN
US-10-080-794-9
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   NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 9
LENGTH: 21
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ORGANISM: HUMAN
                                                                                                                                                  TYPE: DNA ORGANISM: HUMAN
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US-10-080-794-10/c
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; Sequence 8, Application US/10080794
; Publication No. US20030166591A1
; General Information:
APPLICANT: Gleave, Martin
; APPLICANT: Rennie, Paul S.
; APPLICANT: Miyake, Hideaki
APPLICANT: Nelson, Colleen
; APPLICANT: Nelson, Colleen
; APPLICANT: Nelson, Colleen
; TITLE OF INVENTION: TREAT 2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
; TITLE OF INVENTION: TREAT 2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
; TITLE OF INVENTION: TREAT 2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
; TITLE OF INVENTION: TREAT 2 ANTISENSE SOURCES
; FILE REFERENCE: UBC.P-020-3
; CURRENT APPLICATION NUMBER: 09/121,726
; PRIOR APPLICATION NUMBER: 09/913,325
; PRIOR PLING DATE: 2001-08-10
; PRIOR PLING DATE: 2001-08-30
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PATENTIN VUMBER: 09/944,326
; NUMBER OF SEQ ID NOS: 19
; SEQ ID NO 8
; LENGTH: 21
; WANDER OF SEQ ID NOS: 19
; SEQ ID NO 8
; LENGTH: 21
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                                                                                                                        Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 21; Conservative 0; Mismatches 0; Indels
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; OTHER INFORMATION: antisense TRPM-2 ODN US-10-080-794-7
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                                                                                                                                                                                                                                                                          515 TGACCGCATCGACTCCCTGCT 535
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US-10-080-794-8/c
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Publication No. US20030166591A1

GENERAL INFORMATION:

APPLICANT: Gleave, Martin

APPLICANT: Nelson, Colleen

APPLICANT: Nelson, Colleen

APPLICANT: Myake, Hideaki

APPLICANT: Monia, Brett P.

TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE

TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE

TITLE OF INVENTION: HAVING 2'-0-(2-METHOXY) ETHYL MODIFICATIONS

TITLE OF INVENTION: HAVING 2'-0-(2-METHOXY) ETHYL MODIFICATIONS

TITLE OF ILLING DATE: 2002-3

CURRENT APPLICATION NUMBER: 00/121,726

PRIOR APPLICATION NUMBER: 00/913,325

PRIOR PILLING DATE: 2001-08-10

PRIOR PILLING DATE: 2001-08-10

SOPTWARE: PALENTIN VEY: 2.1

SEQ ID NO 12

LENGTH: 21

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                 PRIOR APPLICATION NUMBER: 60/121,726
PRIOR FILING DATE: 1999-02-26
PRIOR PELING DATE: 1999-02-26
PRIOR PELING DATE: 2001-08-10
PRIOR PILING DATE: 2001-08-10
PRIOR PILING DATE: 2001-08-30
NUMBER OF SEQ ID NOS: 19
SOFTWARE: PATENTIN Ver. 2.1
LENGTH: 21
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Publication No. US20040053874A1
GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21 AGGCCCCCAACTCCGCCCAGC 1
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2002-02-22
  CURRENT FILING DATE:
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ORGANISM: HUMAN
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ORGANISM: HUMAN
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US-10-380-124-6
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Publication No. 102-001-6/

Deblication No. 1020040081976A1

Sequence 27, Application US/10383864

Bublication No. 10220040081976A1

GENERAL INFORMATION: GENOMIC SCREEN FOR EPIGENETICALLY SILENCED TUMOR SUPPRESSOR GENES

TITLE OF INVENTY SIDRANSKY, David

TITLE OF INVENTY SIDRANSKY, David

CURRENT PILICATION NUMBER: US/10/383,864

CURRENT PILICATION NUMBER: US 60/362,577

PRIOR FILING DATE: 2002-03-07

NUMBER OF SEQ ID NOS: 127

SOFTWARE: Patentin version 3.1

SEQ ID NO 27

LENGTH: 21
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Publication No. US2004008197641
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: GENOMIC SCREEN FOR EPIGENETICALLY SILENCED TUMOR SUPPRESSOR GENES
FILE REPERENCE: JHU1860-1
CURRENT APPLICATION NUMBER: US/10/383,864
CURRENT APPLICATION NUMBER: US 60/362,577
PRIOR FILING DATE: 2003-07-25
PRIOR FILING DATE: 2002-03-07
NUMBER OF SEQ ID NOS: 127
NUMBER OF SEQ ID NOS: 127
SOFTWARE: Patentin version 3.1
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TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION FILE REPRENCE: RTS-0156 CURRENT APPLICATION WUMBER US/10/380,124 CURRENT FILING DATE: 2003-03-10 NUMBER OF SEQ ID NOS: 90 LENGTH: 21
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100.0%; Pred. No. 1.2e+0
tive 0; Mismatches
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                                                                                                                                                                                                TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA ORGANISM: Artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CTHER INFORMATION: PCR primer US-10-383-864-27
                                                                                                                                                                                                                                             FEATURE:
COTHER INFORMATION: PCR Probe
US-10-380-124-6
                                                                                                                                                                                                                                                                                                                                          Query Match 1.3
Best Local Similarity 100.
Matches 21; Conservative
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Query Match 1.3
Best Local Similarity 100.
Matches 21; Conservative
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; TYPE: DNA
; ORGANISM: human
US-10-646-391A-4
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| Sequence 3, Application US/10646391A
| Publication No. US20040082534A|
| GENERAL INFORMATION | US20040082534A|
| APPLICANT: Gleave, Martin | APPLICANTON | UNGER: US/0646,391A | USGRENT APPLICATION | UNGER: US/03-08-21 | URRENT FILING DATE: 2003-08-21 | URRENT PAPLICATION NUMBER: US 60/405,193 | URIOR PAPLICATION NUMBER: US 60/408,152 | URIOR PAPLICATION NUMBER: US 60/473,387 | UNUMBER OF SEQ ID NOS: 43 | UNUMBER OF SEQ ID NOS: 44 | UNUMBER OF SEQ I
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Sequence 4, Application US/10646391A

Publication No. US20040082534A1

Sequence 4, Application Wo. US20040082534A1

SEMERAL INFORMATION:

APPLICANT: Glasve, Martin

APPLICANT: Glasve, Martin

APPLICANT: Glasve, Martin

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

FILER REFERENCE: USC.P-035

CURRENT APPLICATION NUMBER: US/10/646,391A

FRIOR APPLICATION NUMBER: US 60/405,193

PRIOR FILING DATE: 2002-08-21

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2002-09-03

PRIOR APPLICATION NUMBER: US 60/408,152

PRIOR APPLICATION NUMBER: US 60/408,152

PRIOR APPLICATION NUMBER: US 60/473,387

PRIOR FILING DATE: 2003-09-20

NUMBER OF SEQ ID NOS: 43

SEQ ID NO 4

LENGTH: 21
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                                                    FEATURE:

CTHER INFORMATION: PCR primer

US-10-383-864-28
                    ORGANISM: Artificial sequence
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ORGANISM: human
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US-10-646-391A-3/c
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Sequence 6, Application US/10646391A

| Sequence 6, Application No. US20040082534A1
| Publication No. US20040082534A1
| GENERAL INFORMATION:
| APPLICANT: Gleave, Martin
| APPLICANT: Gleave, Martin
| APPLICANT: Jansen, Burkhard
| TILE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
| TILE REFERENCE: UBC.P-035
| CURRENT FILING DATE: 2003-08-21
| CURRENT FILING DATE: 2003-08-21
| PRIOR PILING DATE: 2002-08-21
| PRIOR FILING DATE: 2002-12-02
| PRIOR FILING DATE: 2002-12-02
| PRIOR PILING DATE: 2003-09-03
| PRIOR FILING DATE: 2003-05-03
| PRIOR FILING DATE: 2003-05-05
| WINDER OF SEQ ID NOS: 43
| SOFTWARE: Patentin Version 3.2
| SEQ ID NO 6
| LENTH: 21
| TWODE: NAN
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Sequence 5, Application US/10646391A

Publication No. US20040082534A1

Publication No. US20040082534A1

SERNEAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: Jansen, Burkhard
TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE REFERENCE: UBC.P-035
CURRENT APPLICATION NUMBER: US/10/646,391A
CURRENT PILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-12-02
PRIOR FILING DATE: 2002-12-02
PRIOR PILING DATE: 2002-03-03
PRIOR PILING DATE: 2003-05-20

PRIOR PILING DATE: 2003-05-20

PRIOR PILING DATE: 2003-05-30

PRIOR PILING DATE: 2003-05-20

SOFTWARE: PARENTING DATE: 2003-05-20
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          Length 21;
                                                                        0; Indels
1.3%; Score 21; DB 1; Le
100.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 0;
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TYPE: DNA
ORGANISM: human
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ORGANISM: human
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     US-10-646-391A-8
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| Sequence 8, Application US/10646391A
| Publication No. US20040082534A1
| GENERAL INFORMATION:
| APPLICANT: Gleave, Martin
| APPLICANT: Gleave, Martin
| APPLICANT: Gleave, Martin
| APPLICANT: Jansen, Burkhard
| TILE OF INVENTION: Lated ment of Melanoma by Reduction in Clusterin Levels
| FILE REFERENCE: UBC. Preatment of Melanoma by Reduction in Clusterin Levels
| FILE REPERENCE: UBC. Preatment of Melanoma by Reduction in Clusterin Levels
| FILE OF INVENTION: UNBER: US 6/405,193
| PRIOR APPLICATION NUMBER: US 6/405,193
| PRIOR PILING DATE: 2002-08-21
| PRIOR PILING DATE: 2002-09-03
| PRIOR APPLICATION NUMBER: US 60/408,152
| PRIOR APPLICATION NUMBER: US 60/408,152
| PRIOR APPLICATION NUMBER: US 60/473,387
| PRIOR PILING DATE: 2003-05-20
| PRIOR PILING DATE: 2003-05-20
| PRIOR PILING DATE: 2003-05-20
| ROFFWARE: PatentIn version 3.2
| SEQ ID NO 8
| LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                           Sequence 7, Application US/10646391A

Sequence 7, Application US/10646391A

Publication No. US20040082534A1

GENERAL INFORMATION:

APPLICANT: Gleave, Martin

APPLICANT: Gleave, Martin

APPLICANT: Gleave, Martin

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

FILE REFERENCE: UBC.P-035

CURRENT APPLICATION: UMBER: US/10/646,391A

CURRENT PILING DATE: 2003-08-21

PRIOR PILING DATE: 2002-09-21

PRIOR PILING DATE: 2002-12-02

PRIOR PILING DATE: 2002-09-03

PRIOR PILING DATE: 2002-09-03

PRIOR PILING DATE: 2003-09-03

PRIOR PILING DATE: 2003-09-03

PRIOR FILING DATE: 2003-09-03

SEQ ID NOS: 43

SEQ ID NO 7

LENGTH: 21

LENGTH: 21
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                                                                             Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 21; Conservative 0; Mismatches 0; Indels
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; ORGANISM: human
US-10-646-391A-6
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; ORGANISM: human
US-10-646-391A-7
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ORGANISM: human
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| Sequence 
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Sequence 10, Application US/10646391A

Publication No. US20040082534A1

GENERAL INFORMATION:

APPLICANT: Gleave, Martin

APPLICANT: Gleave, Martin

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

TITLE OF INVENTION: 100.00-21

TITLE OF INVENTION: TOWABRE: US 60/405,193

PRIOR PELICATION NUMBER: US 60/405,193

PRIOR PELICATION NUMBER: US 60/413,748

PRIOR APPLICATION NUMBER: US 60/408,152

PRIOR APPLICATION NUMBER: US 60/473,387

PRIOR APPLICATION NUMBER: US 60/473,387

PRIOR APPLICATION NUMBER: US 60/473,387

SPRIOR APPLICATION NUMBER: US 60/473,387

NUMBER OF SEQ ID NOS: 43

SOFTWARE: PARENTH PAR
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       Length 21;
Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 21; Conservative 0; Mismatches 0; Indels
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TYPE: DNA ORGANISM: artificial
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US-10-646-391A-20
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US-10-646-391A-12/C

US-10-646-391A-12/C

Sequence 12, Application US/10646391A

Publication No. US20040082534A1

SEDERAL INFORMATION:

APPLICANT: Glaave, Martin

APPLICANT: Glave, Martin

TILE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

FILE REFERENCE: UBC.P-035

CURRENT FILING DATE: 2003-08-21

PRIOR PLILING DATE: 2003-08-21

PRIOR PLILING DATE: 2002-08-21

PRIOR FILING DATE: 2002-09-31

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2003-05-09

PRIOR PLING DATE: 2003-05-09

PRIOR PLING DATE: 2003-05-09

PRIOR PLING DATE: 2003-05-30

PRIOR PLING DATE: 2003-05-30

SOFTWARE: Patentin version 3.2

SEQ ID NO 12

LENGTH: 21

TABLE CALLOR DATE: 2003-05-09

BRIOR PLING DATE: 2003-05-09

SOFTWARE: Patentin version 3.2

SEQ ID NO 12

LENGTH: 21

TABLE CALLOR DATE: 2003-05-09

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Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 21; Conservative 0; Mismatches 0; Indels
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; ORGANISM: human
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; ORGANISM: human
US-10-646-391A-12
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US-10-646-391A-21/C

US-10-646-391A-21/C

Sequence 21, Application US/10646391A

Publication No. US200400082534A1

GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE REFERENCE: UBC.P-035
CURRENT FILING DATE: 2003-08-21
CURRENT FILING DATE: 2002-08-21
PRIOR PILING DATE: 2002-08-21
PRIOR FILING DATE: 2002-08-21
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-09-03
PRIOR FILING DATE: 2003-09-03
PRIOR FILING DATE: 2003-05-05
PRIOR FILING DATE: 2003-05-05
PRIOR FILING DATE: 2003-05-20

SOFTWARE: Patentin version 3.2

SEQ ID NO 21

LENGTH: 21

THOUGH APPLICATION NUMBER: US 60/473,387
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GENERAL INFORMATION:

APPLICANT: Glasse, Martin

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

TITLE OF INVENTION NUMBER: US 60/465,391A

CURRENT FILING DATE: 2003-08-21

PRIOR PILING DATE: 2002-12-02

PRIOR PILING DATE: 2002-12-02

PRIOR PILING DATE: 2003-12-02

PRIOR PILING DATE: 2003-03-03

PRIOR FILING DATE: 2003-03-03

PRIOR FILING DATE: 2003-03-03

PRIOR FILING DATE: 2003-03-03

MUMBER OF SEQ ID NOS: 43

SEQ ID NO 20

LENGTH: 21

LENGTH: 21
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Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels
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                                                                                                                           1516 AGGCCCCCAACTCCGCCCAGC 1536
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ORGANISM: artificial
FEATURE:
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; TYPE: DNA; CRGANISM: artificial; PEATURE: ; PEATURE: ; OTHER INFORMATION: RNA! for human clusterin US-10-646-391A-23
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Best Local Similarity 100.
Matches 21; Conservative
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US-10-646-391A-25/c
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US-10-646-391A-23/C

Sequence 23, Application US/10646391A

Publication No. US20040082534A1

Sequence 23, Application No. US20040082534A1

Publication No. US20040082534A1

APPLICANT: Glaeve, Martin

APPLICANT: Jansen, Burkhard

TILE OF INVENTY LIANG DATE: 2003-08-21

CURRENT FILING DATE: 2003-08-21

PRIOR PELING DATE: 2002-08-21

PRIOR PELING DATE: 2002-09-21

PRIOR PELING DATE: 2002-09-21

PRIOR PLING DATE: 2002-09-32

PRIOR PLING DATE: 2003-09-30

PRIOR PLING DATE: 2003-05-09-03

PRIOR PLING DATE: 2003-05-20

PRIOR PLING DATE: 2003-05-20

PRIOR PLING DATE: 2003-05-30

SOFTWARE: Patentin version 3.2

SEQ ID NO 23

LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                       sequence 22, Application US/10646391A

publication No. US20040082534A1

general INFORMATION:

APPLICANT: Gleave, Martin

APPLICANT: Gleave, Martin

TITLE OF INVEXTION: Treatment of Melanoma by Reduction in Clusterin Levels

TITLE OF INVEXTION: Treatment of Melanoma by Reduction in Clusterin Levels

CURRENT APPLICATION UNMBER: US/10/646,391A

CURRENT PILING DATE: 2003-08-21

PRIOR APPLICATION NUMBER: US 60/405,193

PRIOR APPLICATION NUMBER: US 60/408,152

PRIOR APPLICATION NUMBER: US 60/408,152

PRIOR APPLICATION NUMBER: US 60/408,152

PRIOR APPLICATION NUMBER: US 60/473,387

PRIOR FILING DATE: 2003-09-03

SEQ ID NO 22

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SEQ ID NO 22

LENGTH: 21
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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 81.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 4; Mismatches 0; Indels
                                                                                  Length 21;
                                                                                Query Match 1.3%; Score 21; DB 1; Lei
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
  ; OTHER INFORMATION: RNAi for human clusterin US-10-646-391A-21
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; OTHER INFORMATION: RNA! for human clusterin
US-10-646-391A-22
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Sequence 25, Application US/10646391A

Publication No. US20040082534A1

GENERAL INFORMATION:

APPLICANT: Gleave, Martin

APPLICANT: Gleave, Martin

APPLICANT: Jansen, Burkhard

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

FILE REFERENCE: UBC.P-035

CURRENT FILING DATE: 2002-08-21

PRIOR PRICATION NUMBER: US 60/405,193

PRIOR FILING DATE: 2002-08-21

PRIOR PLING DATE: 2002-12-02

PRIOR PLING DATE: 2002-09-03

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2003-05-20

PRIOR SPLICATION NUMBER: US 60/473,387

PRIOR FILING DATE: 2002-09-03

PRIOR SPLING DATE: 2003-05-20

NUMBER OF SEQ ID NOS: 43

SOFTWARE: Patentin version 3.2
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y Sequence 36, Application US/10646391A

y Publication No. US20040082534A1

g Publication No. US20040082534A1

g Publication No. US20040082534A1

g PRICANT: Gleave, Martin

APPLICANT: Gleave, Martin

APPLICANT: Gleave, Martin

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

FILE REFERENCE: UBC. P-035

CURRENT APPLICATION NUMBER: US/10/646,391A

CURRENT FILING DATE: 2003-08-21

PRIOR FILING DATE: 2003-08-21

PRIOR PELING DATE: 2003-12-02

PRIOR APPLICATION NUMBER: US 60/408,152

PRIOR APPLICATION NUMBER: US 60/408,152

PRIOR APPLICATION NUMBER: US 60/408,152

PRIOR APPLICATION NUMBER: US 60/413,387

PRIOR RELING DATE: 2003-05-20

NUMBER OF SEQ ID NOS: 43
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1.3%; Sco...
100.0%; Pred. No. 1....
'... 0; Mismatches
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RESULT 214
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WS-10-646-391A-38

Bequence 38, Application US/10646391A

Publication No. US20040082534A1

Publication No. US20040082534A1

APPLICANT: Jansen, Burkhard

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

FILE REFERENCE: UBC.P-035

CURRENT APPLICATION NUMBER: US/10/646,391A

CURRENT PILIG DATE: 2003-08-21

PRIOR FILING DATE: 2002-08-21

PRIOR FILING DATE: 2002-08-21

PRIOR FILING DATE: 2002-12-05

PRIOR FILING DATE: 2002-12-05
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                                                                                                   ; OTHER INFORMATION: RNAi for human clusterin
US-10-646-391A-36
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SOFTWARE: Patentin version 3.2
SEQ ID NO 36
LENGTH: 21
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                                                      TYPE: DNA
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Sequence 40, Application US/10646391A

Sequence 40, Application US/10646391A

Publication No. US20040082534A1

GENERAL INFORMATION:

APPLICANT: Gleave, Martin

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

CURRENT FILING DATE: 2003-08-21

PRIOR APPLICATION NUMBER: US 60/405,193

PRIOR FILING DATE: 2002-08-21

PRIOR PLILNG DATE: 2002-08-21

PRIOR PLILNG DATE: 2002-08-21
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Pred. No. 1.2e+02;
3; Mismatches 0
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                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: RNAi for human clusterin US-10-646-391A-38
PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn version 3.2
SEQ ID NO 38
LENGTH: 21
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Best Local Similarity 85.7%;
Matches 18; Conservative
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Best Local Similarity 100.
Matches 21, Conservative
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ORGANISM: artificial
FEATURE:
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APPLICANT: Gleave, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Brain
APPLICANT: Brain
APPLICANT: Gonos, Efstathios
TITLE OF INVENTION: RNAi Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC. P-030
CURRENT PILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-09-23
PRIOR FILING DATE: 2002-09-13
PRIOR FILING DATE: 2003-05-03
PRIOR FILING DATE: 2003-05-03
PRIOR FILING DATE: 2003-05-05
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin version 3.2
LENGTH: 21
; TITLE OF INVENTION: RNAi Probes Targeting Cancer-Related Proteins; FILE REFERENCE: UBC. P-030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT PAPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR PILING DATE: 2002-08-03
PRIOR FILING DATE: 2002-09-03
PRIOR PLILNG DATE: 2003-09-03
PRIOR PLING DATE: 2003-05-03
PRIOR PLING DATE: 2003-05-03
PRIOR PLING DATE: 2003-05-03
PRIOR PLING DATE: 2003-05-03
SPRIOR PLING DATE: 2003-05-03
SPRIOR PLING DATE: 2003-05-03
SPRIOR PLING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE: PALENTIN VERBION 3.2
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Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1.3%; Score 21; DB 1; I
81.0%; Pred. No. 1.2e+02;
tive 4; Mismatches 0;
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Publication No. US20040096882A1
GENERAL INFORMATION:
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; Publication No. US20040096882A1
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Matches 17; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA ORGANISM: artificial
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US-10-646-436-2/c
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Sequence 41, Application US/10646391A

Publication No. US20040082534A1

GENERAL INFORMATION:

APPLICANT: Gleave, Martin

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

TITLE REFERENCE: UBC.P-035

CURRENT APPLICATION NUMBER: US/10/646,391A

CURRENT FILING DATE: 2003-08-21

PRIOR APPLICATION NUMBER: US 60/405,193

PRIOR PELLING DATE: 2002-09-21

PRIOR PELLING DATE: 2002-09-03

PRIOR PELLING DATE: 2002-12-02

PRIOR APPLICATION NUMBER: US 60/408,152

PRIOR APPLICATION NUMBER: US 60/473,387

PRIOR APPLICATION NUMBER: US 60/473,387
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                                                                                                                                                                                                                                                                                                                         ) OTHER INFORMATION: RNA! for human clusterin US-10-646-391A-40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: RNAi forhuman clusterin US-10-646-391A-41
     PRIOR FILING DATE: 2002-12-02
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR FILING DATE: 2002-09-03
PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin version 3.2
SEQ ID NO 40
LENGTH: 21
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US-10-646-436-5
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GENERAL INCOMATION.

GENERAL INCOMATION.

APPLICANT: Gleave, Martin

APPLICANT: Gleave, Martin

APPLICANT: Beraldi, Eliana

APPLICANT: Beraldi, Eliana

APPLICANT: Trougakos, Ioannis

APPLICANT: BEREALDIOS

FILE REFERENCE: UBC.P-030

CURRENT APPLICATION NUMBER: US/10/646,436

CURRENT FILING DATE: 2002-08-21

PRIOR APPLICATION NUMBER: US 60/408,152

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2003-05-20

NUMBER OF SEQ ID NOS: 68

SEQ ID NOS: 68

SEQ ID NOS: 68

LENGTH: 21
               GENERAL INCARATION:
CAREAL INCARATION:
CAREAL INCARATION:
APPLICANT: Gleave, Martin
APPLICANT: Signaeveky, Maxim
APPLICANT: Stynaeveky, Maxim
APPLICANT: Stynaeveky, Maxim
APPLICANT: Groups Efetathios
APPLICANT: Groups Efetathios
FILE REFERENCE: UBC. P-030
CURRENT PLILIGATICATION NUMBER: US/10/646,436
CURRENT PLILING DATE: 2002-08-21
PRIOR PILLING DATE: 2002-09-03
PRIOR PLILING DATE: 2002-09-03
PRIOR PLILING DATE: 2002-09-03
PRIOR PLILING DATE: 2003-05-20
PRIOR FILLING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SEQ ID NOS: 68
LENGTH: 21
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US-10-646-436-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: RNAi for human clusterin US-10-646-436-3
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ORGANISM: artificial
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APPLICANT: Gleave, Martin
APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Beraldi, Eliana
APPLICANT: Beraldi, Eliana
APPLICANT: Gros, Icannis
APPLICANT: Gros, Efstathios
APPLICANT: Gros, Efstathios
FILE REFERENCE: UBC.P-030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR PILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-05-03
PRIOR FILING DATE: 2003-05-03
NUMBER OF SEQ ID NOS: 68
SOFWMARE: Patentin version 3.2
SEQ ID NO 6
LENGTH: 21
FERREL APPLICANTON
FERREL APPLICATION NUMBER: US 60/473,387
FERREL AP
                                                                                                                                                                                                            APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Bealdi, Eliana
APPLICANT: Trougakos, Ioannis
APPLICANT: Gonos, Efstathios
TITLE OF INVENTION: RNA Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC.P-030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2003-08-21
PRIOR PELING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR PILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-09-03
PRIOR FILING DATE: 2003-09-03
PRIOR FILING DATE: 2003-09-03
PRIOR FILING DATE: 2003-09-05
SOFTWARE: PALENTIN VERSION 3.2
SEQ ID NO 5
ENGTH: 21
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07-HER INFORMATION: RNA1 for human clusterin
13-10-646-436-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: RNA; for human clusterin US-10-646-436-5
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Sequence 5, Application US/10646436 Publication No. US20040096882A1 GENERAL INFORMATION:
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GENERAL INCRAILOR.

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APPLICANT: Gleave, Martin
APPLICANT: Signaeveky, Maxim
APPLICANT: Signaeveky, Maxim
APPLICANT: Signaeveky, Maxim
APPLICANT: Trougakos, Ioannis
APPLICANT: WANTION RNAI PECES TARGETING CANCER-Related Proteins
FILE REFERENCE: UBC.P-030
CURRENT APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-08-21
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-06-20
NUMBER OF SEQ ID NOS: 68
SEQ ID NOS: 68
SEQ ID NOS: 68
SEQ ID NOS: 61
LENGTH: 21
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APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Breadld, Eliana
APPLICANT: Trougakos, Ioannis
APPLICANT: Trougakos, Ioannis
APPLICANT: Gonos, Efstathios
TITLE OF INVENTION: RNAi Probes Targeting Cancer-Related Proteins
TIER REPERBNCE: UBC.P-030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2003-08-21
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Pred. No. 1.2e+02;
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                                                                                                FEATURE:
; OTHER INFORMATION: RNAi for human clusterin
US-10-646-436-59
                                                                                                                                                                                                     Query Match 1.3%; Score 21; DB Best Local Similarity 100.0%; Pred. No. 1.5 Matches 21; Conservative 0; Mismatches
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PRIOR APPLICATION NUMBER: US 60/405,193
                                                                                                                                                                                                                                                                                                          480 AACCAGAGCTCGCCCTTCTAC 500
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; Sequence 61, Application US/10646436
; Publication No. US20040096882A1
; GENERAL INFORMATION:
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Publication No. US20040096882A1
GENERAL INFORMATION:
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Best Local Similarity 85.7
Matches 18; Conservative
                                                TYPE: DNA ORGANISM: artificial
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ORGANISM: artificial
FEATURE:
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SEQ ID NO 59
LENGTH: 21
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APPLICANT: Gleeve, Martin
APPLICANT: Signaevaky, Maxim
APPLICANT: Beraldi, Ellana
APPLICANT: Trougakos, Icanais
CURRENT FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR PLILNG DATE: 2002-09-03
PRIOR PLILNG DATE: 2002-09-03
PRIOR PLILNG DATE: 2003-05-03
PRIOR PLILNG DATE: 2003-05-03
PRIOR PLILNG DATE: 2003-05-03
SROTWARE: Patentin version 3.2
SEQ ID NOS: 68
SOFTWARE: Patentin version 3.2
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Publication No. US20040096882A1

GENERAL INFORMATION:

APPLICANT: Jansen, Burkhard

APPLICANT: Signaeveky, Maxim

APPLICANT: Signaeveky, Maxim

APPLICANT: Signaeveky, Maxim

APPLICANT: Trougakoe, Ioannis

APPLICANT: Trougakoe, Ioannis

APPLICANT: Gonos, Efstathios

ITILE OF INVENTION: RNA! Probes Targeting Cancer-Related Proteins

FILE REPRENCE: UBC.P-030

CURRENT FILING DATE: 2002-08-21

PRIOR FILING DATE: 2002-08-21

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2003-05-20

PRIOR FILING DATE: 2003-05-20

PRIOR FILING DATE: 2003-05-20
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                             Length 21;
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81.0%; Pred. No. 1.2e+02;
tive 4; Mismatches 0; Indels
                                                                             0; Indels
                        Query Match
1.3%; Score 21; DB 1; L. Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 21; Conservative 0; Mismatches 0;
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; OTHER INFORMATION: RNA! for human clusterin
US-10-646-436-58
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SOFTWARE: PatentIn version 3.2
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Best Local Similarity 81.09
Matches 17; Conservative
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Gaps

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APPLICANT: Jackson, John
APPLICANT: Burt, Helen
APPLICANT: Burt, Helen
APPLICANT: Burt, Helen
APPLICANT: Springate, Christopher
APPLICANT: Gleave, Martin
TITLE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders
FILE REFERENCE: UBC.P-03
FULOR APPLICATION NUMBER: US /10/828,394
CURRENT APPLICATION NUMBER: US 60/464,159
PRIOR FILING DATE: 2003-04-18
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin version 3.2
SEQ ID NO 4
LENGTH: 21
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; Sequence 5, Application US/10828394
; Publication No. US20040220131A1
; GENERAL INFORMATION:
; APPLICANT: Jackson, John
; APPLICANT: Springate, Christopher
; APPLICANT: Springate, Christopher
; APPLICANT: Gleave, Martin
; TITLE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders
APPLICANT: Trougakos, Ioannis
APPLICANT: Gonos, Efstathios
TITLE OF INVENTION: RNAi Probes Targeting Cancer-Related Proteins
TITLE OF INVENTION: RNAi Probes Targeting Cancer-Related Proteins
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT PILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/403,387
PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR FILING DATE: 2002-09-03
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin version 3.2
SEQ ID NO 65
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100.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 0; Indels
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1.3%; Score 21; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: RNAi forhuman clusterin
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Best Local Similarity 100.0
Matches 21; Conservative
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ORGANISM: human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-828-394-4/c
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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels
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US-10-646-436-64
                                                                                                                                                                                                                                                     ; OTHER INFORMATION: RNAi for human clusterin
US-10-646-436-62
      PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin version 3.2
SEQ ID NO 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-646-436-65/C; Sequence 65, Application US/10646436; Sequence 65, Application Wo. US20040096882A1; GENERAL INFORMATION: APPLICANT: Jansen, Burkhard; APPLICANT: Gleave, Martin; APPLICANT: Signaevsky, Maxim; APPLICANT: Beraldi, Eliana
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ORGANISM: artificial
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Sequence 9, Application US/10828394

| Sequence 9, Application No. US20040220131A1
| GENERAL INFORMATION:
| APPLICANT: Jackson, John
| APPLICANT: Burt, Helen
| APPLICANT: Gleave, Martin
| APPLICANT: Gleave, Martin
| TILE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders
| TILE REFRENCE: UBC.P-033
| CURRENT TRING DATE: 2004-04-19
| FRIOR APPLICATION NUMBER: US 60/464,159
| PRIOR APPLICATION NUMBER: US 60/464,159
| NUMBER OF SEQ ID NOS: 23
| SOFTWARE: PatentIn version 3.2
| SEQ ID NO 9
| LENGTH: 21
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1.3%; Score 21; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
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Pred. No. 1.2e+02;
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100.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 0;
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                                                                                                                                                                      316 AATCAGAGACAAAGCTGAAGG 336
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Best Local Similarity 100.0
Matches 21; Conservative
    ; TYPE: DNA
; ORGANISM: human
US-10-828-394-7
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; ORGANISM: human
US-10-828-394-8
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ORGANISM: human
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; Bedication No. US20040220131A1
; GENERAL INFORMATION:
APPLICANT: Jackson, John
; APPLICANT: Burt, Helen
; APPLICANT: Springate, Christopher
; APPLICANT: Springate, Christopher
; APPLICANT: Gleave, Martin
; TITLE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders
; FILE REFERENCE: UBC.P-033
; CURRENT APPLICATION NUMBER: US 60/464,159
; PRIOR FILING DATE: 2004-04-19
; PRIOR FILING DATE: 2003-04-18
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: Patentin version 3.2
; SOFTWARE: Patentin version 3.2
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Sequence 7, Application US/10828394

Publication No. US20040220131A1

GENERAL INFORMATION:

APPLICANT: Jackson, John

APPLICANT: Springate, Christopher

APPLICANT: Gleave, Martin

TILE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders

FILE REFERENCE: UBC.P-033

CURRENT APPLICATION NUMBER: US/10/828,394

CURRENT FILING DATE: 2004-04-19

PRIOR APPLICATION NUMBER: US 60/464,159

PRIOR PILING DATE: 2003-04-18

NUMBER OF SEQ ID NOS: 23

SEQ ID NO 7

LENGTH: 21

LENGTH: 21
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; FILE REFERENCE: UBC.P-033
; CURRENT APPLICATION NUMBER: US/10/828,394
; CURRENT FILING DATE: 2004-04-19
; PRIOR APPLICATION NUMBER: US 60/464,159
; PRIOR FILING DATE: 2003-04-18
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NOS
; LENGTH: 21
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; ORGANISM: human
US-10-828-394-5
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ORGANISM: human
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US-10-828-394-6/c
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US-10-828-394-7/c
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APPLICANT: Jackson, John
APPLICANT: Burt, Helen
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US-10-828-394-13
                                                                                                                                                                                                                          TYPE: DNA ORGANISM: human
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US-10-828-394-13/c
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US-10-828-395-4/c
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                                                                                US-10-828-394-117.

US-10-828-394-117.

Sequence 11, Application US/10828394

Publication No. US20040220131A1

GENERAL INFORMATION:

APPLICANT: Jackson, John
APPLICANT: Burt, Helen
APPLICANT: Gleave, Martin
TITLE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders
TITLE OF INVENTION WHEER: US/10/828,394

CURRENT APPLICATION NUMBER: US/10/828,394

CURRENT APPLICATION NUMBER: US 60/464,159

PRIOR APPLICATION NUMBER: US 60/464,159

PRIOR APPLICATION NUMBER: US 60/464,159

SOFTWARE: PatentIn version 3.2

SOFTWARE: PatentIn version 3.2

SEQ ID NO 11

LENGTH: 21

LENGTH: 21

TYPE: DNA

ORGANISM: human
US-10-828-394-11
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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels
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        CCGCATCGTCCGCAGCTTGAT
                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: DNA
; ORGANISM: human
US-10-828-394-10
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US-10-828-394-12/c
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APPLICANT: Burry, Helem:
APPLICANT: Glave, Martin Helem:
APPLICANT: SOOP 40-19
PRICE FILING DATE: 2009-40-19
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114 GACCAGACGGTCTCAGACAAT 134
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Best Local Similarity 100.(
Matches 21; Conservative
                                                                                                                                                                                           Best Local Similarity 100.
Matches 21; Conservative
                                                          ; TYPE: DNA
; ORGANISM: human
US-10-828-395-6
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ORGANISM: human
                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 241
US-10-828-395-7/c
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        ; SEQ ID NO 6
; LENGTH: 21
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; Sequence 6, Application US/10828395
; Publication No. US20040224914A1
; GENERAL INFORMATION.
; APPLICANT: Jackson, John
; APPLICANT: Burt, Helen
; APPLICANT: Burt, Helen
; APPLICANT: Gleave, Martin
; TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
; FILER REFERENCE: UBC.P-032
; CURRENT APPLICATION NUMBER: US, 10/828,395
; CURRENT PLING DATE: 2004-04-19
; PRIOR APPLICATION NUMBER: US 60/464,159
; PRIOR APPLICATION NUMBER: US 60/464,160
; PRIOR PILING DATE: 2003-04-18
; RIOR APPLICATION NUMBER: US 60/464,160
; RIOR FILING DATE: 2003-04-18
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PATENTIN VEFSION 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ## Sequence 5. Application US/10828395
## Publication No. US20040224914A1
## GENERAL INFORMATION
## APPLICANT: Jackson, John
## APPLICANT: Burt, Helen
## APPLICANT: Burti, Helen
## APPLICANT: Burti, Helen
## APPLICANT: Burting for Treatment of Angiogenic Disorders
## TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
## TITLE OF INVENTION: METHOD for Treatment of Angiogenic Disorders
## TITLE OF INVENTION: MUNBER: US/10/828,395
## CURRENT APPLICATION NUMBER: US 60/464,159
## PRIOR APPLICATION NUMBER: US 60/464,160
## PRIOR PELING DATE: 2003-04-18
## NUMBER OF SEQ ID NOS: 23
## SOFTWARE: PatentIn Version 3.2
## SEQ ID NOS: 23
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1.3%; Score 21; DB 1; L.
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
PRIOR FILING DATE: 2003-04-18
PRIOR PELLON NUMBER: US 60/464,160
PRIOR FILING DATE: 2003-04-18
NUMBER OF SEQ ID NOS: 23
SEQ TURNE: Patentin version 3.2
SEQ ID NO 4
LENGTH: 21
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Best Local Similarity 100.(
Matches 21; Conservative
                                                                                                                                                                                              ; TYPE: DNA
; ORGANISM: human
US-10-828-395-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA ORGANISM: human
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US-10-828-395-6/c
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; Sequence 7, Application US/10828395
; Publication No. US20040224914A1
; GENERAL INFORMATION:
A PPLICANT: Jackson, John
; APPLICANT: Burt, Helen
; APPLICANT: Springate, Christopher
; APPLICANT: Gleave, Martin
; TILLE OF INVENTION: Method for Treatment of Angiogenic Disorders
; TILE REFERENCE: UBC.P-032
; CURRENT APPLICATION NUMBER: US 60/464,159
; PRIOR PILING DATE: 2003-04-18
; PRIOR FILING DATE: 2003-04-18
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 7;
; SEQ ID NO 7;
; SEQ ID NO 7;
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Publication No. US20040224914A1
GENERAL INFORMATION:
APPLICANT: Jackson, John
APPLICANT: Burt, Helen
APPLICANT: Gleave, Martin
TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
TITLE OF INVENTION: WEBER: US/10/828,395
CURRENT FILING DATE: 2003-04-19
PRIOR FILING DATE: 2003-04-18
NUMBER OF SEQ ID NOS: 23
SEQ ID NOS: 23
SEQ ID NOS: 23
SEQ ID NO 8
SEQ ID NO 8
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1.2e+02;
1.3%; Score 21; DB 1; Length 21; 100.0%; Pred. No. 1.2e+02; tive 0; Mismatches 0; Indels
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100.0%; Pred. No....
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Query Match
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels
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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels
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916 ACAACTCCACGGGCTGCCTGC 936
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                                        21 ACAACTCCACGGGCTGCCTGC 1
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ORGANISM: human
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US-10-828-395-12/c
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US-10-828-395-10/C

Sequence 10, Application US/10828395

Publication No. US20040224914A1

GENERAL INFORMATION:
APPLICANT: Jackson, John
APPLICANT: Burt, Helen
TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
CURRENT FILING DATE: 2004-04-19

PRIOR PILING DATE: 2003-04-18

PRIOR FILING DATE: 2003-04-18

PRIOR FILING DATE: 2003-04-18

PRIOR FILING DATE: 2003-04-18

NUMBER OF SEQ ID NOS: 23

SOFTWARE: PatentIn version 3.2

LEMGTH: 21
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; Sequence 9, Application US/10828395
; Publication No. US20040224914A1
; GENERAL INFORMATION:
    APPLICAMT: Jackson, John
; APPLICAMT: Burt, Helen
; APPLICAMT: Springate, Christopher
; APPLICAMT: Gleave, Martin
; TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
; FILE REFERENCE: UBC.P-032
; FULE REFERENCE: UBC.P-032
; CURRENT APPLICATION NUMBER: US 60/464,159
; PRIOR APPLICATION NUMBER: US 60/464,160
; PRIOR FILING DATE: 2003-04-18
; PRIOR FILING DATE: 2003-04-18
; PRIOR FILING DATE: 2003-04-18
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 9
! LENGTH: 21
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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels
                          Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 21; Conservative 0; Mismatches 0; Indels
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                                                                                                                       515 TGACCGCATCGACTCCCTGCT 535
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                                                                                                                                                   21 TGACCGCATCGACTCCCTGCT 1
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; ORGANISM: human
US-10-828-395-9
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ORGANISM: human
                                                                                                                                                                                                                                    RESULT 243
US-10-828-395-9/c
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; Sequence 12, Application US/10828395
; Publication No. US20040224914A1
; GENERAL INFORMATION:
    APPLICANT: Jackson, John
; APPLICANT: Burt, Helen
    APPLICANT: Springate, Christopher
; APPLICANT: Gleave, Martin
; TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
; FILE REFERENCE: UBC.P-032
; CURRENT APPLICATION: NUMBER: US 60/464,159
; FRIOR APPLICATION NUMBER: US 60/464,160
; PRIOR PILING DATE: 2003-04-18
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 12
US-10-828-35-11, Application US/10828395

Sequence 11, Application US/10828395

Publication No. US20040224914A1

GENERAL INFORMATION:

APPLICANT: Jackson, John

APPLICANT: Burt, Helen

APPLICANT: Burt, Helen

APPLICANT: Burt, Martin

TITLE OF INVENTION: Martin

TITLE OF INVENTION: MATHER: US/10/828,395

CURRENT APPLICATION NUMBER: US/0464,159

PRIOR FILING DATE: 2003-04-18

PRIOR FILING DATE: 2003-04-18

PRIOR FILING DATE: 2003-04-18

NUMBER OF SEQ ID NOS: 23

SOFTWARE: PatentIn version 3.2

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1.2%;
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Best Local Similarity 88.0*
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Best Local Similarity 88.09
Matches 22; Conservative
                                                                                                                      TYPE: DNA
CRGANISM: Mus musculus
US-10-719-900-56803
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: DNA
; ORGANISM: Mus musculus
US-10-719-900-452919
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US-10-719-900-815717
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                                                                                                APPLICANT: Jackson, John
APPLICANT: Butt, Helen
APPLICANT: Butt, Helen
APPLICANT: Butt, Helen
APPLICANT: Bringate, Christopher
APPLICANT: Gleave, Martin
FILE OF INVENTION: Method for Treatment of Angiogenic Disorders
FILE REFERENCE: UBC.P-032
CURRENT APPLICATION NUMBER: US/10/828,395
CURRENT FILING DATE: 2004-04-19
PRIOR PLILOR DATE: 2003-04-18
PRIOR APPLICATION NUMBER: US 60/464,160
PRIOR APPLICATION NUMBER: US 60/464,160
PRIOR FILING DATE: 2003-04-18
SPRIOR FILING DATE: 2003-04-18
NUMBER OF SEQ ID NOS: 23
SOCTIVARE: Patentin version 3.2
SEQ ID NO 13
LENGTH: 21
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| Publication No. US20050026164A1
| GENERAL INFORMATION:
| GENERAL INFORMATION:
| APPLICANT: Xue Mei Zhou
| TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
| TITLE OF INVENTION: NUMBER: US/10/719,900
| CURRENT FILING DATE: 2003-11-20
| PRIOR PAPLICATION NUMBER: 60/427,808
| PRIOR RILING DATE: 2002 11 20
| NUMBER OF SEQ ID NOS: 982914
| SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
| SEQ ID NO 695781
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Pred. No. 1.8e+02;
0; Mismatches 2; Indels
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; Publication No. US20050026164A1
; GENERAL INFORMATION: US 20050026164A1
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFREENCE: 3528.1
; CURRENT PELLING DATE: 2003-11-20
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                                   Sequence 13, Application US/10828395; Publication No. US20040224914A1; GENERAL INFORMATION:
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Best Local Similarity 91...
Local 22, Conservative
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ORGANISM: Mus musculus
US-10-719-900-695781
                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TYPE: DNA
; ORGANISM: human
US-10-828-395-13
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US-10-719-900-56803
RESULT 247
US-10-828-395-13/c
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88.0%; Pred. No. 2e+02;
tive 0; Mismatches 3; Indels
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Pred. No. 2e+02;
0; Mismatches 3; Indels
PRIOR APPLICATION NUMBER: 60/427,808
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 56803
LENGTH: 25
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SEQ ID NO 452919
LENGTH: 25
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TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528.1
CURRENT APPLICATION UNMBER: US/10/719,900
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,808
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 982914
                                                                                                                                                                                                                                                                  1269 AAGCTCTTTGACTCTGATCCCATCA 1293
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Sequence 452919, Application US/10719900
Publication No. US20050026164A1
GENERAL INFORMATION:
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APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-043000 (Am 10.1081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION NUMBER: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 271151
LENGTH: 25
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Publication No. US20040146910A1

GRNERAL INFORMATION:

APPLICANT: Kue Mei Zhou

TITILE OF INVENTION: Methods of Genetic Analysis of Rat

FILE REPERENCE: 3527.1

CURRENT APPLICATION NUMBER: US/10/719,956

CURRENT APPLICATION NUMBER: 60/427,836

PRIOR FILING DATE: 2002-11-20

NUMBER OF SEQ ID NOS: 699466

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 30750

LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                             Score 20.2; DB 1; Length 25;
Pred. No. 2e+02;
0; Mismatches 3; Indels
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CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 2004,427,836
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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US-10-719-956-70566/C
'Sequence 70566, Application US/10719956
'Publication No. US20040146910A1
'GENERAL INFORMATION:
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Best Local Similarity 88.0%;
Matches 22; Conservative
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nes 22; Conservative
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                                                                                    RESULT 252
US-10-719-900-892166
; Sequence 892166
; Sequence 892166
; Bedracte 892166
; Publication No. US20050026164A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse; FILE REFERENCE: 3528.1
; CURRENT APPLICATION NUMBER: US/10/719,900
; CURRENT APPLICATION NUMBER: 60/427,808
; PRIOR FILING DATE: 2003-11-20
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
1.2%; Score 20.2; DB 1; Length 25;
Best Local Similarity 88.0%; Pred. No. 2e+02;
Matches 22; Conservative 0; Mismatches 3; Indels
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88.0%; Pred. No. 2e+02;
tive 0; Mismatches 3; Indels
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1 TCCCGTGTCACTCAGGTGGTGGTGA 25
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Sequence 271151, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
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US-10-719-900-892166
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ORGANISM: Mus musculus
US-10-809-189-31758
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Matches 22; Conserv
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US-10-809-189-31758
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RESULT 260.
US-10-719-956-517912
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1.2%; Score 20.2; DB 1; Length 25;
Best Local Similarity 88.0%; Pred. No. 2e+02;
Matches 22; Conservative 0; Mismatches 3; Indels
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88.0%; Pred. No. 2e+02;
ive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                 APPLICANT: Xue Mei Zhou
APPLICANT: Xue Mei Zhou
TITLE OF INVENTUON: Methods of Genetic Analysis of Rat
FILE REPERENCE: 3527.1
CURRENT APPLICATION: NUMBER: US/10/719, 956
CURRENT APPLICATION NUMBER: 60/427, 836
PRIOR APPLICANION NUMBER: 60/427, 836
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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FILE REPERENCE: 35271

CURRENT APPLICATION NUMBER: 06/427,836

PRIOR PILING DATE: 2002 11 20

NUMBER OF SEQ ID NOS: 699466

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 34027

LENGTH: 25
                      3; Indels
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; Publication No. US20040146910A1
; Publication No. US20040146910A1
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
Best Local Similarity 88.0%; Pred. No. 2e+02; Matches 22; Conservative 0; Mismatches
                                                                951 TGTGACAAGTGCCGGGAGATCTTGT 975
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                                                                                                                                                                                                                   Sequence 355802, Application US/10719956 Publication No. US20040146910A1 GENERAL INFORMATION:
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; ORGANISM: Rattus norvegicus
US-10-719-956-374027
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA ORGANISM: Rattus norvegicus
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Matches 22; Conserv
                                                                                                                                                                          RESULT 257
US-10-719-956-355802/c
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US-10-719-956-374027/c
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US-10-719-956-501380
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Sequence 604881, Application US/10719956
FUBLication No. US2040146910A1
GENERAL INFORMATION:
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527.
CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
FRIOR APPLICATION NUMBER: 60/427,836
FRIOR APPLICATION NUMBER: 60/427,836
FRIOR RILING DATE: 2002 11 20
INUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 517912. Application US/10719956
; Sequence 517912. Application US/10719956
; Publication No. US20040146910A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 35271.
; CURRENT APPLICATION NUMBER: US/10/719,956
; CURRENT FILING DATE: 2003-11-20
; PRIOR PILING DATE: 2002-11-20
; PRIOR PILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; LENGTH: 25
                                                                                                                                                                                                                                                                                                         DB 1; Length 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1.2%; Score 20.2; DB 1; Length 25; ilarity 88.0%; Pred. No. 2e+02; Conservative 0; Mismatches 3; Indels
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CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 00/427,836
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 501380
LENGTH: 25
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Pred. No. 2e+02;
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; ORGANISM: Rattus norvegicus
US-10-719-956-501380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; ORGANISM: Rattus norvegicus US-10-719-956-517912
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; ORGANISM: Rattus norvegicus
US-10-719-956-604881
                                                                                                                                                                                                                                                                                                                             Best Local Similarity 88.0
Matches 22; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
Matches 22; Conserv
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Sequence 17, Application US/10380124

Sequence 17, Application US/10380124

Publication No. US20040053874A1

GENERAL INPORMATION:

APPLICANT: Breat P. Monia

APPLICANT: Susan M. Freier

TITLE OF INVENTION: AATISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REPERBNCE: RTS-0156

CURRENT APPLICATION NUMBER: US/10/380,124

CURRENT FILING DATE: 2003-03-10

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 17

LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-380-124-16/c

| Sequence 16, Application US/10380124
| Sequence 16, Application US/10380124
| Publication No. US20040053874A1
| GENERAL INFORMATION:
| APPLICANT: Isla Pharmaceuticals, Inc.
| APPLICANT: Brett P. Monia
| TITLE OF INVENTION NUMBER: US/10/380,124
| CURRENT FILING DATE: 2003-03-10
| UNBER OF SEQ ID NOS: 90
| SEQ ID NO 16
| ILENGTH: 20
  TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 15
LENGTH: 20
                                                                                                                                                                                                                                                                                                                    Query Match
1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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1.2%; Score 20; DB 1; Le.
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ) OTHER INFORMATION: Antisense Oligonucleotide US-10-380-124-16
                                                                                                                                                                                                                                         ; CTHER INFORMATION: Antisense Oligonucleotide US-10-380-124-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              39 ATTGGAGGCATGATGAAGAC 58
                                                                                                                                                                                                                                                                                                                                                                                                                         21 GCGTGCAAAGACTCCAGAAT 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20 ATTGGAGGCATGATGAAGAC 1
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Artificial Sequence
                                                                                                                                                                                    TYPE: DNA ORGANISM: Artificial Sequence
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US-10-380-124-17/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
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| Sequence 14, Application US/10380124
| Publication No. US20040053874A1
| Publication No. US20040053874A1
| GENERAL INFORMATION:
| APPLICANT: Isis Pharmaceuticals, Inc.
| APPLICANT: Brett P. Monia
| APPLICANT: Susan M. Freier
| TITLE OF INVERTION: AN Freier
| TITLE OF INVERTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
| FILE REFERENCE: RTS-0156
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US-10-719-956-612441/c
Sequence 612441, Application US/10719956
; Publication No. US20040146910A1
; GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527.1
; CURRENT APPLICATION NUMBER: US/10/719,956
; CURRENT PILING DATE: 2003-11-20
; PRIOR FILING DATE: 2002 11 20
; PRIOR FILING DATE: 2002 11 20
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 61241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
1.2%; Score 20.2; DB 1; Length 25;
Best Local Similarity 88.0%; Pred. No. 2e+02;
Matches 22; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.38+02;
Matches 20; Conservative 0; Mismatches 0; Indels
  Indels
  3;
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-14
     0; Mismatches
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CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 14
LENGTH: 20
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                                                    778 ICCAGCCCTTCCTTGAGATGATACA 802
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                                                                                       25 rccagcgcrrccrrcarrcal
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Publication No. US20040053874A1
GENERAL INPOMMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13 TGACCGAGGCGTGCAAAGAC 32
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: DNA; CACTUS norvegicus US-10-719-956-612441
       22; Conservative
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US-10-380-124-15/c
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US20040053874A1
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US-10-380-124-22/c
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Fublication No. US20040053874A1

GENERAL INFORMATION:
APPLICANT: Breat P. Monia
APPLICANT: Breat P. Monia
APPLICANT: Susan M. Freier
ITLE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 19
LENGTH: 20
                                                                                                                                                                                                                                            US-10-380-124-18/C

| Sequence 18, Application US/10380124
| Sequence 18, Application US/10380124
| Sequence 18, Application Vo. US20040053874A1
| GENERAL INFORMATION:
| APPLICANT: Isis Pharmaceuticals, Inc.
| APPLICANT: Susan M. Fract P. Monia
| APPLICANT: Susan M. Fract F. Monia
| APPLICANT: Susan M. Fract F. Monia
| APPLICANT: Susan M. Fract F. TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
| TITLE OF INVENTION: ANTISENSE WOODLATION OF CLUSTERIN EXPRESSION
| CURRENT APPLICATION NUMBER: US/10/380,124
| CURRENT FILING DATE: 2003-03-10
| SEQ ID NOS: 90
| LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                / Match 1.2%; Score 20; DB 1; Length 20; Local Similarity 100.0%; Pred. No. 1.3e+02; nes 20; Conservative 0; Mismatches 0; Indels
                       Length 20;
                     Query Match 1.2%; Score 20; DB 1; Le Best Local Similarity 100.0%; Pred. No. 1.3e+02; Matches 20; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-19
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US-10-380-124-20/c
; Sequence 20, Application US/10380124
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                                                                                                             77 GCTGCTGCTGACCTGGGAGA 96
                                                                                                                                                           20 gergergergacerggaga 1
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence
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US-10-380-124-19/c
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; Publication No. US20040053874A1
; GENERAL INFORMATION:
; APPLICANT: Bleis Pharmaceuticals, Inc.
; APPLICANT: Breat P. Monia
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; TITLE OF INVENTION: ANTISENSE WOOULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 22
; LENGTH: 20
; TYPE: DNA
APPLICANT: Isls Pharmaceuticals, Inc.
APPLICANT: Breet P. Monia
APPLICANT: Breet P. Monia
APPLICANT: Breet P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT APPLICATION BATE: 2003-03-10
SEQ ID NOS: 90
LENGTH: 20
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APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPREBNCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
SEQ ID NO 21
LENGTH: 20
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Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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, OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-20
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Publication No. US20040053874A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         149 GTCCAATCAGGAAGTAAGT 168
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Matches 20; Conserva
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Sequence 25, Application US/10380124
Publication No. US20040053874A1
GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
                                              US-10-380-124-25/c
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US-10-380-124-27/c
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| Sequence 24, Application US/10380124
| Publication vo US20040053874A1
| GENERAL INFORMATION:
| APPLICANT: Erett P. Monia
| APPLICANT: Staan M. Freier
| TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
| FILE REPRENSE TS-0156
| CURRENT APPLICATION NUMBER: US/10/380,124
| CURRENT PILING DATE: 2003-03-10
| SEQ ID NOS: 90
| SEQ ID NOS: 90
| LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                  Sequence 23, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaccuticals, Inc.
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTG-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT PILING DATE: 2003-03-10
; SEQ ID NO 23
LENGTH: 20
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                                                                                                         Query Match 1.2%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.3e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0; Indels
                                         ; OTHER INFORMATION: Antisense Oligonucleotide US-10-380-124-22
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ORGANISM: Artificial Seguence
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ORGANISM: Artificial Sequence
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                          FEATURE:
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US-10-380-124-26/c

Sequence 26, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
    APPLICANT: Isis Pharmaceuticals, Inc.
    APPLICANT: Susan M. Freier
    TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
    TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
    CURRENT APPLICATION NUMBER: US/10/380,124
    CURRENT PILING DATE: 2003-03-10
    NUMBER OF SEQ ID NOS: 90
    SEQ ID NO 26

APPLICANT: ISIS PHARMACCULICAB, INC.
APPLICANT: BEET P. Monia
APPLICANT: Breat P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILLING DATE: 2003-03-10
SEQ ID NO 25
LENGTH: 20
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PUblication No. U020040053874A1
GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: STEPLE
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 1.2%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.3e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Antisense Oligonucleotide US-10-380-124-25
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US-10-300

(9-10-300-124-31/c

) Sequence 31, Application US/10380124

) Publication No. US20040053874A1

) GENERAL INFORMATION:

) APPLICANT: Isla Pharmaceuticals, Inc.

) APPLICANT: Brett P. Monia

) APPLICANT: Brett P. Monia

) APPLICANT: Brett APPLICANTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

) TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

) FILE REPERBNCE: RTS-0156

) CURRENT FILING DATE: 2003-03-10

) NUMBER OF SEQ ID NOS: 90

) SEQ ID NO 31

LENGTH: 20
                                                                                                                                                                                                                               APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TILE OF INVENT. SUSAN MATISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 30
LENGTH: 20
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100.0%; Pred. No. 1.38+02;
tive 0; Mismatches 0;
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US-10-380-124-30
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-31
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                                                                                                                                                          ; Sequence 30, Application US/10380124; Publication No. US20040053874A1; GENERAL INFORMATION:
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364 TGATGGCCCTCTGGGAAGAG 383
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ORGANISM: Artificial Sequence
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Matches 20; Conservative
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; Sequence 29, Application WS/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Brett P. Monia
; APPLICANT: Busan M. Freier
; ITLL OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REPERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 90
; LENGTH: 20
; TYPE: DNA
; CREANISM: Artificial Sequence
; FEATURE:
; CHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-29
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| US-10-380-124-28/c
| Sequence 28, Application US/10380124
| Sequence 28, Application US/10380124
| Sequence 28, Application US | Sequence 28, Application | Sequence 28, Application | Sequence 2003-03-10 | Sequence 2003-03-10 | Sequence 28, ILENGTH: 2003-03-10 | Sequence 28, ILENGTH: 20
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                                                                                                                                        ; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-27
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; OTHER INFORMATION: AntiBense Oligonucleotide
US-10-380-124-28
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                                                                     TYPE: DNA
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 27
LENGTH: 20
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US-10-380-124-29/c
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US-10-380-124-35/c

Sequence 35, Application US/10380124

Publication No. US20040053874A1

Publication No. US20040053874A1

GENERAL INPORMATION:

APPLICANT: Brett P. Monia

APPLICANT: Staan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPRENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/10/380,124

CURRENT FILING DATE: 2003-03-10

NUMBER OF SEQ ID NOS: 90

LENGTH: 20
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| Sequence 36, Application US/10380124
| Sequence 36, Application US/10380124
| Publication No. US20040053874A1
| GENERAL INFORMATION:
| APPLICANT: 1sis Pharmaceuticals, Inc.
| APPLICANT: Susan M. Freier
| TILLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
| FILE REPERENCE: RTS-0156
| CURRENT APPLICATION NUMBER: US/10/380,124
| UNRENT FILING DATE: 2003-03-10
| SEQ ID NOS: 90
| SEQ ID NOS: 90
| LENGTH: 20
                                 Length 20;
                                                                             Indels
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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                    Query Match
1.2%; Score 20; DB 1; L
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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US-10-380-124-35
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                                                                                                          455 TGGCCCCAGCTTGAGGAGT 474
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US-10-380-124-37/C
; Sequence 37, Application US/10380124
; Publication No. US20040053874A1
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity
Matches 20; Conserv
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Sequence 34, Application US/10380124

Publication No. US2040053874A1

GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
TILE OF INVENTION: ANTISENSE MODILATION OF CLUSTERIN EXPRESSION
CURRENT APPLICANT:
NUMBER OF SEQ ID NOS: 90

LENGTH: 20

LENGTH: 20
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
SEQ ID NOS: 90
LENGTH: 20
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Publication No. US20040053874A1
GENERAL INFORMATION:
APPLICANT: Isla Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
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1.2%; Score 20; DB 1, Les
Best Local Similarity 100.0%; Pred. No. 1.38+02;
Matches 20; Conservative 0; Mismatches 0;
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US-10-380-124-32
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US-10-380-124-33
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OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-34
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity
Matches 20; Conserva
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LENGIH: 20
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, OTHER INFORMATION: Antisense Oligonucleotide US-10-380-124-39
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Sublication No. US20040053874A1
GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
SEQ ID NO 38
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                APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Breter Preser
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERBUCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT PILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
LENGTH: 20
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CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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US-10-380-124-37
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Publication No. US20040053874A1
GENERAL INFORMATION:
APPLICANT: 1818 Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   517 ACCGCATCGACTCCCTGCTG 536
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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GENERAL INFORMATION
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US-10-380-124-38/c
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LENGTH: 20
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                                                Gaps
                                                                                                                                                                                                                                     Sequence 40, Application US/10380124
; Sequence 40, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
    APPLICANT: Breat P. Monia
; APPLICANT: Breat P. Monia
; APPLICANT: Breat P. Monia
; APPLICANT: Sugan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 40
; LENGTH: 20
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Sequence 41, Application No. US20040053874A1

Publication No. US20040053874A1

GENERAL INFORMATION:

APPLICANT: Isla Pharmaceuticals, Inc.

APPLICANT: Brett P. Monia

APPLICANT: Brett P. Monia

APPLICANT: Susan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REFERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/10/380,124

CURRENT FILING DATE: 2003-03-10

NUMBER OF SEQ ID NOS: 90

LENGTH: 20
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0;
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100.0%; Pred. No. 1.3e+02;
ive 0; Mismatches 0;
Query Match
1.2%; Score 20; DB 1; L.
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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                                                                                            551 GCAGACGCACATGCTGGATG 570
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Best Local Similarity 100.0
Matches 20; Conservative
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Best Local Similarity
Matches 20; Conserv
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1.2%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0; Indela
                                                                                            ; OTHER INFORMATION: Antisense Oligonucleotide US-10-380-124-44
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                                                                                                                                                                                                                        608 AGACGAGCTCTTCCAGGACA 627
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SEQ ID NO 44
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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Best Local Similarity 100.0
Matches 20; Conservative
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Best Local Similarity
...rhes 20; Conservat
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US-10-380-124-45/c
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Sequence 42, Application US/10380124

Sequence 42, Application US/10380124

Sequence 42, Application Vo. US20040053874A1

GENERAL INFORMATION:
APPLICANT: Bist Pharmaceuticals, Inc.
APPLICANT: Susan M. Freier

TILLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFREENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/10/380,124

CURRENT FILING DATE: 2003-03-10

SEQ ID NOS: 90

SEQ ID NOS: 90

LENGTH: 20
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; Sequence 44, Application US/10380124
; Publication No. US20040053874A1
; Publication No. US20040053874A1
; GRNERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: Busan M. Preder
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT SPLICATION NUMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 90
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0;
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US-10-380-124-42
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ORGANISM: Artificial Sequence
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Matches 20; Conservative
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Sequence 45, Application US/10380124
; Sequence 45, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
    APPLICANT: Bis Pharmaceuticals, Inc.
    APPLICANT: Breat P. Monia
; APPLICANT: Breat P. Monia
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; TILE REPERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT PILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 45
; LENGTH: 20
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Publication No. US20040053874A1

GENERAL INFORMATION:
APPLICANT: Isia Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Bush M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE REPERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 46
LENGTH: 20
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Sequence 50, Application US/10380124

Sequence 50, Application US/10380124

Publication No. US20040053874A1

GENERAL INFORMATION:

APPLICANT: Isis Pharmaceuticals, Inc.

APPLICANT: Susan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REPERBNCE: RTS-0156

CURRENT APPLICATION NUMBER: US/10/380,124

CURRENT FILING DATE: 2003-03-10

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 50

LENGTH: 20
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; Sequence 51, Application US/10380124
; Sequence 51, Application US/10380124
; Sequence 51, Application US/10380124
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTIENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 51
; LENGTH: 20
; LENGTH: 20
; CREMISM: Artificial Sequence
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1.2%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 49
LENGTH: 20
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Matches 20; Conservative
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                                                                                                     Sequence 47, Application US/10380124
; Sequence 47, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
; APPLICANT: Ests Pharmaceuticals, Inc.
; APPLICANT: Susan M. Freier
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REPERENCE: RTS-0156
; CURRENT PILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 47
: LENGTH: 20
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US-10-380-124-49/C
10-380-124-49/C
5 Sequence 49, Application US/10380124
6 Publication No. US20040053874A1
6 GENERAL INFORMATION:
7 APPLICANT: 1sis Pharmaceuticals, Inc.
7 APPLICANT: Susan M. Freier
7 APPLICANT: Susan M. Freier
7 TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
TITLE OF INVENTION: ANTIGENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICANTION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
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100.0%; Pred. No. 1.3e+02;
iive 0; Mismatches 0; Indels
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Publication No. US20040053874A1
GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.0
Matches 20; Conservative
                                                                                                RESULT 296
US-10-380-124-47/c
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LENGTH: 20
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APPLICANT: Isis Pharmaceuticals, Inc
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ORGANISM: Artificial Sequence
FEATURE:
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ORGANISM: Artificial Sequence
FEATURE:
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; Sequence 53, Application US_20040053874A1
; Publication No. US20040053874A1
; GENERAL INFORMATION:
   APPLICANT: Is she Pharmaceuticals, Inc.
   APPLICANT: Susan M. Freier
   TITLE OF INFORMING ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
   TITLE OF INFORMING ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
   TITLE REFERENCE: RTS-0156
   CURRENT APPLICATION NUMBER: US/10/380,124
   CURRENT FILING DATE: 2003-03-10
   NUMBER OF SEQ ID NOS: 90
   SEQ ID NO 53
   LENGTH: 20
                                                                                                                                                                             RESULT 301
US-10-380-124-52/c
; Sequence 52, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
; APPLICANT: Bis Pharmaceuticals, Inc.
; APPLICANT: Breat M. Freier
; APPLICANT: Breat M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFREENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; SEQ ID NOS: 90
; SEQ ID NOS: 90
; SEQ ID NOS: 20
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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1.2%; Score 20; DB 1; Lv
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
           100.0%; Pred. No. 1.3e+02; tive 0; Mismatches 0;
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Sequence 54, Application US/10380124; Publication No. US20040053874Al
GENERAL INFORMATION:
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                                 20; Conservative
             Best Local Similarity
Matches 20; Conserval
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US-10-380-124-53/c
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US-10-380-124-56/c

US-10-380-124-56/c

Sequence 56, Application US/10380124

Publication No. US20040053874A1

GENERAL INFORMATION:
APPLICANT: Bais Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 56
LENGTH: 20
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| Sequence 55, Application US/10380124
| Sequence 55, Application No. US20040053874Al
| GENERAL INFORMATION:
| APPLICANT: Isls Pharmaceuticals, Inc.
| APPLICANT: Busan M. Freda |
| APPLICANT: Busan M. Freda |
| TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION |
| FILE REFRERNCE: RTS-0156 |
| CURRENT APPLICATION NUMBER: US/10/380,124 |
| CURRENT FILING DATE: 2003-03-10 |
| SEQ ID NOS: 90 |
| SEQ ID NOS: 90 |
| LENGTH: 20
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APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION. ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPRENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO S4
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                            Length 20;
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1.2%; Score 20; DB 1; L4
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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RESULT 309
US-10-380-124-60/c
    US-10-380-124-59/c
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                                                                                                                                                                                                                                                                                      ; Sequence 57, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
; APPLICANT: 1818 Pharmaceuticals, Inc.
; APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; NUMBER OP SEQ ID NOS: 90
; SEQ ID NO 57
; LENGTH: 20
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| Sequence 58, Application US/10380124
| Sequence 58, Application US/10380124
| Sequence 58, Application Vo. US20040053874A1
| SEGUENCAL INFORMATION:
| APPLICANT: Isis Pharmaceuticals, Inc.
| APPLICANT: Susan M. Freist
| TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
| FILE REPREFERS TS-0156
| CURRENT APPLICATION NUMBER: US/10/380,124
| CURRENT PILING DATE: 2003-03-10
| MUMBER OF SEQ ID NOS: 90
| SEQ ID NO S8
| LENGTH: 20
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                                                              Query Match
1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
, OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-56
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-57
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US-10-380-124-58
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RESULT 308

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; Sequence 61, Application US/10380124
; General Information
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 61
Sequence 59, Application US/10380124
Publication No. US20040053874A1
GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Breet P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPRENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
LENGTH: 20
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Publication No. US20040053874A1
SEQUENCE INFORMATION:
APPLICANT: InfoRMATION:
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
ITILE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION FILE REPERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NOS: 90
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Pred. No. 1.3e+02;
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-59
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TYPE: DNA
ORGANISM: Artificial Sequence
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Matches 20; Conservative
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APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Breat P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT APPLING DATE: 2003-03-10
SEQ ID NOS: 90
LENGTH: 20
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Publication No. US20040053874A1
GENERAL INFORMATION
APPLICANT: Bale Pharmaceuticals, Inc.
APPLICANT: Breat P. Monia
APPLICANT: Breat P. Monia
APPLICANT: Breat P. Monia
APPLICANT: STEPENCE: RTS-0156
CURRENT APPLICATION UMBER: US/10/380,124
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT PILING DATE: 2003-03-10
SEQ ID NO 65
LENGTH: 20
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; Publication No. US20040053874A1
; GENERAL INFORMATION:
    APPLICANT: Isls Pharmaceuticals, Inc.
    APPLICANT: Brett P. Monia
    APPLICANT: Susan M. Freier
    APPLICANT: Susan M. Freier
    TILLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
    FILE REFERENCE: RTS-0156
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                                                                                                                                    ; Sequence 64, Application US/10380124; Publication No. US20040053874A1; GENERAL INFORMATION:
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       20 TCCTCCTTGCTGGAGCAGCT 1
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.0°
Matches 20, Conservative
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; Sequence 62, Application US/20040053874A1
; GENERAL INFORMATION:
; APPLICANT: Isls Pharmaceuticals, Inc.
; APPLICANT: Breat P. Monia
; APPLICANT: Breat P. Monia
; APPLICANT: Susan M. Freist
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; SEQ ID NOS: 90
; SEQ ID NO 62
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; Publication No. US20040053874A1
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Freier
; TITLE OF INFORMICUS
; FILE REFERENCE: RTS-0156
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                                                                     FEATURE:
CTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-62
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CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 63
LENGTH: 20
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                       TYPE: DNA ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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US-10-380-124-62/c
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US-10-380-124-63/c
LENGTH: 20
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Matches
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Publication No. US20040053874A1

GENERAL INFORMATION:
APPLICANT: Breat P. Monia
APPLICANT: Breat P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT PILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 67
LENGTH: 20
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; Sequence 68, Application US/20040053874A1
; RUDII cation No. US20040053874A1
; GENERAL INFORMATION:
    APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: Breat P. Monia
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION ANTIENSE MODULATION OF CLUSTERIN EXPRESSION
; TITLE OF INVENTION NUMBER: US/10/380,124
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; SEQ ID NOS: 90
; SEQ ID NOS: 90
; LENGTH: 20
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-67
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                                                                                                                                                                         ; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-66
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 66
LENGTH: 20
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                                                                                                          TYPE: DNA
ORGANISM: Artificial Sequence
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Best Local Similarity 100.0%,
Matches 20; Conservative
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Query Match . 1.2%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.3e+02;

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  Gaps
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i Sequence 69, Application US/10380124

i Sequence 69, Application US/10380124

i Publication No. US20040053874A1

i GENERAL INPORMATION:

APPLICANT: Isis Pharmaceuticals, Inc.

APPLICANT: Brett P. Monia

APPLICANT: Susan M. Freier

ITILE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REPERBNCE: RTS-0156

CURRENT APPLICATION NUMBER: US/10/380,124

CURRENT FILING DATE: 2003-03-10

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 69

LENGTH: 20
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US-10-380-124-70/C
; Sequence 70, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
    APPLICAMT: Bate Pharmaceuticals, Inc.
    APPLICAMT: Brett P. Monia
; APPLICAMT: Brett P. Monia
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REPERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 70
; LENGTH: 20
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  0; Indels
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0;
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  0; Mismatches
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Sequence 71, Application US/10380124
Publication No. US20040053874A1
GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
                                                 1216 CTTCCCACACTTCTGACTCG 1235
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ORGANISM: Artificial Sequence
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Matches 20; Conservative
  20, Conservative
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; Sequence 75, Application US/20040053374A1
; Dublication No. US20040053374A1
; GENERAL INFORMATION:
    APPLICANT: Isis Pharmaceuticals, Inc.
    APPLICANT: Susan M. Freier
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILLE REPRENCE: RTS-015
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; SEQ ID NO 75
; LENGTH: 20
                                                                                                                                                                                                                                                                   Sequence 74, Application US/10380124
; Sequence 74, Application US/20040053874A1
; Publication No. US20040053874A1
; GENERAL INFORMATION:
    APPLICANT: Is she Pharmaceuticals, Inc.
    APPLICANT: Busan M. Freier
; APPLICANT: Susan M. Freier
; TITLE OF INVENTYON: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 74
; LENGTH: 20
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                                   1.2%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 1.3e+02; tive 0; Mismatches 0; Indels
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1.2%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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1.2%; Score 20; DB 1; L
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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                                                                                                                              1545 GCTCTGGATCCTGCACTCTA 1564
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Artificial Sequence FEATURE:
                                          Query Match
Best Local Similarity 100.
Matches 20; Conservative
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US-10-380-124-78/c
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US-10-380-124-74/c
US-10-380-124-73
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Sequence 72, Application No. US20040053874A1

publication No. US20040053874A1

GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/10/380,124

CURRENT FILING DATE: 2003-03-10

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 72

LENGTH: 20
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gequence 123 Application US/10380124

publication No. US20040053874A1

GENERAL INFORMATION:

APPLICANT: 1818 PARAMACCULICAIS, Inc.

APPLICANT: Susan M. Freier

TITLE OF INVENTION:

PILE REFERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/10/380,124

CURRENT FILING DATE: 2003-03-10

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 73

LENGTH: 20
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  APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
SUMBEN OF SEQ ID NOS: 90
LENGTH: 20
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1.2%; Score 20; DB 1; Lé
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Antisense Oligonucleotide US-10-380-124-71
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Artificial Sequence
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US-10-380-124-72/c
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LENGTH: 20
TYPE: DNA
ORGANISM: Artificial
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                                                                       FEATURE:
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| Sequence 80, Application US/10380124
| Sequence 80, Application US/10380124
| Publication No. US20040053874A1
| GENERAL INFORMATION:
| APPLICANT: Isis Pharmaceuticals, Inc.
| APPLICANT: Susan M. Freier
| ITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
| FILE REFREENCE: RTS-0156
| CURRENT APPLICATION NUMBER: US/10/380,124
| CURRENT FILING DATE: 2003-03-10
| SEQ ID NOS: 90
| SEQ ID NOS: 90
| LENGTH: 20
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                                                           APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 78
LENGTH: 20
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; APPLICANT: Liew, Choong-Chin; TITLE OF INVENTION: LIVER CANCER BIOMARKERS; FILE REFERENCE; GURENT APPLICATION NUMBER: US/10/980,850; CURENT FILING DATE: 2004-11-03; PRIOR APPLICATION NUMBER: US 60/516,853; PRIOR PILING DATE: 2003-11-03; NUMBER OF SEQ ID NOS: 46; SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: Antisense Oligonucleotide US-10-380-124-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1383 CACCGGGAGGAGTGAGATGT 1402
Sequence 78, Application US/10380124
Publication No. US20040053874A1
GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                     Query Match
1.2%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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1.2%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                         Sequence 18, Application US/10980850
; Publication No. US20050152908A1
; GENERAL INFORMATION:
; APPLICANT: Liew, Choong-Chin
; TITLE OF INVENTION: LIVER CANCER BIOMARKERS
; FILE REFERENCE: 4231/2072
; CURRENT APPLICATION UNMBER: US/10/980,850
; CURRENT FILING DATE: 2004-11-03
; PRIOR FILING DATE: 2003-11-03
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PATENTIN VERSION 3.1
; SEQ ID NO 18
; LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; Sequence 33, Application US/10980850; Publication No. US20050152908A1; GENERAL INFORMATION:
; APPLICANT: Liew, Choong-Chin
TITLE OF INVENTION: LIVER CANCER BIOMARKERS; FILE REFERENCE: 4231/2072; CURRENT APPLICATION NUMBER: US/10/980,850; CURRENT APPLICATION NUMBER: US 60/516,853; PRIOR PILING DATE: 2003-11-03; PRIOR FILING DATE: 2003-11-03; SOFTWARE: Patentin version 3.1; SEQ ID NO 33; LENGTH: 20
; OTHER INFORMATION: Forward PRimer for CLU US-10-980-850-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ) OTHER INFORMATION: Forward Primer for OAS1
US-10-980-850-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   , OTHER INFORMATION: Reverse PRimer for CLU US-10-980-850-18
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                                                                                                                                                                      762 AACTICCACGCCAIGTICCA
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ORGANISM: Artificial
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271 AAGAAGCCAAGAAGAAGAAG 291
            Query Match
Best Local Similarity 75.0
Matches 15; Conservative
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| Sequence 28, Application US/10646391A
| Publication No. US20040082534A1
| GENERAL INFORMATION:
| APPLICANT: Gleave, Martin
| APPLICANT: Gleave, Martin
| APPLICANT: Gleave, Martin
| TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
| TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
| TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
| TITLE OF INVENTION: TOO. 106.20
| PRIOR PLICATION NUMBER: US 60/405,193
| PRIOR PLILING DATE: 2002-09-03
| PRIOR PLILING DATE: 2002-09-03
| PRIOR PLILING DATE: 2002-09-03
| PRIOR PLILING DATE: 2003-09-03
| PRIOR PLILING DATE: 2003-09-03
| PRIOR PLILING DATE: 2003-09-03
| PRIOR PLILING DATE: 2003-05-20
| WUMBER OF SEQ ID NOS: 43
| SOFTWARE: Patentin version 3.2
| SEQ ID NO 28
| LENGTH: 21
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US-10-646-436-9

Sequence 9, Application US/10646436

Publication No. US20040096882A1

Publication No. US20040096882A1

APPLICANT: Jansen, Burkhard

APPLICANT: Gleave, Martin

APPLICANT: Signaevsky, Maxim

APPLICANT: Signaevsky, Maxim

APPLICANT: Signaevsky, Maxim

APPLICANT: Gleave, Noannis

APPLICANT: Beraldi, Eliana

APPLICANT: Gleave, Noannis

APPLICANT: Cleave, Noannis

APPLICANT: Gleave, Noannis

APPLICANT: Cleave, Noannis

APPLICANT: Gleave, Noannis

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) PEATURE:

) OTHER INFORMATION: RNAi for human clusterin

15.-10-646-436-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: RNA1 for human clusterin US-10-646-391A-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        977 TGTGGACTGTTCCACCAACA 996
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                                              1 TGTGGACTGTTCCACCAACA 20
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Best Local S:
Matches 15
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Sequence 13, Application US/09459749D
; Sequence 13, Application US/09459749D
; Patent No. US20020136716A1
; GENERAL INFORMATION:
    APPLICANT: Millis, Albert J. T.
    TITLE OF INVENTION: Compositions and Methods For Altering Cell Migration
; FILE REFERENCE: 0794.016A
; CURRENT FILING DATE: 1999-12-10
; PRIOR FILING DATE: 1999-12-10
; PRIOR FILING DATE: 1998-12-11
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Description of Artificial Sequence:primer bind; OTHER INFORMATION: synthetic antisense primer based on murine clusterin US-09-459-749D-13
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                                      Gaps
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1.2%; Score 19.4; DB 1; Length 21;
Best Local Similarity 95.2%; Pred. No. 1.6e+02;
Matches 20; Conservative 0; Mismatches 1; Indels
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1.2%; Score 19.4; DB 1; Length 21;
Best Local Similarity 95.2%; Pred. No. 1.6e+02;
Matches 20; Conservative 0; Mismatches 1; Indels
1.2%; Score 20; DB 1; Length 21; 75.0%; Pred. No. 1.46+02; tive 5; Mismatches 0; Indels
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                                                                                 48 ATGATGAAGACTCTGCTGCT 67
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1 AUGAUGAAGACUCUGCUGCT 20
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ORGANISM: Artificial Sequence
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Gaps

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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Jansen, Burkhard
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Maxim
APPLICANT: Beraldi, Bliana
APPLICANT: Trougakos Ioannis
APPLICANT: Trougakos Ioannis
APPLICANT: Trougakos Ioannis
APPLICANT: Gonos, Effetathios
ITILE OF INVENTION: RNA! Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC. P-030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin Version 3.2
LENGTH: 19
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APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Trougako, Ioannis
APPLICANT: Trougako, Ioannis
APPLICANT: Trougako, Efetathios
TITLE OF INVENTION: RNAi Probes Targeting Cancer-Related Proteins
FILE REPERBNCE: UBC.P-03
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT APPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR PILING DATE: 2002-09-03
PRIOR PILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-09-03
SOFTWARE: Patentin version 3.2
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Pred. No. 1.4e+02;
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0; Mismatches
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US-10-646-436-67
                                                                                                                                                                                                                                                                                                                         Sequence 67, Application US/10646436
Publication No. US20040096882A1
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Publication No. US20040096882A1
GENERAL INFORMATION:
                                                                    48 ATGATGAAGACTCTGCTGC 66
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Best Local Similarity 73.7%;
Matches 14; Conservative 5
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19; Conservative
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ORGANISM: artificial
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Matches
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US-10-646-391A-43/C

Sequence 43, Application US/10646391A

Publication No. U220040082534A1

GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: Janean, Burkhard
TILE REFERENCE: UBC.P-035
CURRENT APPLICATION NUMBER: US/10/646,391A

CURRENT APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2003-08-21
PRIOR FILING DATE: 2002-12-02
PRIOR FILING DATE: 2003-13-05
PRIOR FILING DATE: 2003-13-05
PRIOR FILING DATE: 2003-05-03
PRIOR FILING DATE: 2003-05-03
SPRIOR FILING DATE: 2003-05-20
SOFTWARE: PatentIn version 3.2
SEQ ID NO 43
LENGTH: 19
                                                                                                                                                                                       Sequence 42, Application US/10646391A

Publication No. US20040082534A1

GENERAL INPORMATION:

APPLICANT: Gleave, Martin

APPLICANT: Jansen, Burkhard

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

FILE REFERENCE: USC.P-035

CURRENT APPLICATION NUMBER: US 40/405,193

PRIOR PLILING DATE: 2002-08-21

PRIOR PLLING DATE: 2002-08-21

PRIOR PLLING DATE: 2002-08-21

PRIOR FILING DATE: 2002-08-21

PRIOR FILING DATE: 2002-08-31

PRIOR FILING DATE: 2002-08-31

PRIOR FILING DATE: 2002-09-03

PRIOR PLLING 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; FEATURE:
; OTHER INFORMATION: RNAi for human clusterin
US-10-646-391A-42
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US-10-646-391A-43
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: RNA
ORGANISM: artificial
                                                                                                                                                                            -10-646-391A-42
                                  요
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Sequence 18, Application US/10828394
; Sequence 18, Application US/10828394
; Publication No. US20040220131A1
; GENERAL INVORMATION:
APPLICANT: Jackson, John
; APPLICANT: Burk, Helen
; APPLICANT: Burk, Helen
; APPLICANT: Gleave, Martin
; TILE OF INVENITON: Method for Treatment of Cancerous Angiogenic Disorders
; TILE OF INVENITON: WORDER: US/10/828,394
; CURRENT FILING DATE: 2004-04-19
; PRIOR APPLICATION NUMBER: US 60/464,159
; PRIOR FILING DATE: 2003-04-18
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 18
; TENTITO TO THE TENTITOR DATE: 2003-04-18
; SEQ ID NO 18
; TENTITOR DATE: 2003-04-18
; SEQ ID NO 18
; TENTITOR DATE: 2003-04-18
; TENTITOR DATE: 2003-04-18
; TENTITOR DATE: 2003-04-18
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(S-10-828-395-16

(S-10-828-395-16

(Sequence 16, Application US/10828395

(Publication No. US20040224914A1

(GENERAL INFORMATION:

APPLICANT: Jackson, John

APPLICANT: Burt, Helen

APPLICANT: Springate, Christopher

APPLICANT: Gleave, Martin

(TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders

FILE REBERENCE: USC. P-032

(CURRENT APPLICATION NUMBER: US/10/828,395

(CURRENT PILING DATE: 2004-04-19

(PRIOR FILING DATE: 2003-04-18

(PRIOR FILING DATE: 2003-04-18

(NUMBER OF SEQ ID NOS: 23

(SOFTWARE: Patentin Version 3.2

(SOFTWARE: Patentin Version 3.2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.2%; Score 19; DB 1; Length 19; 68.4%; Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6; Mismatches
1100 GATGCTCAACACCTCCTCC 1118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1615 CTAATTCAATAAAACTGTC 1633
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                         1 CUAAUUCAAUAAAACUGUC 19
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Best Local Similarity 78.9°
Matches 15; Conservative
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Best Local Similarity 68.43
Matches 13; Conservative
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US-10-828-394-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-828-395-16
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US-10-828-395-17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: RNA
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| Sequence 17, Application US/10828394 |
| Publication No. US20040220131A1 |
| Sequence 17, Application No. US20040220131A1 |
| Publication No. US20040220131A1 |
| Publication No. US20040220131A1 |
| APPLICANT: Burk, Heal. |
| APPLICANT: Bringate, Christopher |
| APPLICANT: Gleave, Martin |
| PRIOR PERRENCE: US-0.33 |
| CURRENT APPLICATION NUMBER: US-0.44-1.9 |
| PRIOR APPLICATION NUMBER: US-0.44-1.8 |
| PRIOR PELLING DATE: 2003-04-1.8 |
| SOFTWARE PATENTIN VERSION 3.2 |
| SEQ ID NO 17 |
| LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ô
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APPLICANT: Burt, Helen
APPLICANT: Springate, Christopher
APPLICANT: Springate, Christopher
APPLICANT: Springate, Christopher
APPLICANT: Gleave, Martin
TITLE OF INVENTION: Wethod for Treatment of Cancerous Angiogenic Disorders
FILE REFERENCE: UBC.P-033
CURRENT APPLICATION NUMBER: US/10/828,394
CURRENT FILING DATE: 2004-04-19
PRIOR PILING DATE: 2004-04-18
NUMBER OF SEQ ID NOS: 23
SOFTWARE: PatentIn version 3.2
SEQ ID NO 16
LENGTH: 19
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                                                                                                                      Query Match 1.2%; Score 19; DB 1; Length 19; Best Local Similarity 100.0%; Pred. No. 1.4e+02; Matches 19; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.2%; Score 19; DB 1; Length 19; 78.9%; Pred. No. 1.4e+02; tive 4; Mismatches 0; Indels
                                         ; OTHER INFORMATION: RNAi fo rhuman clusterin
US-10-646-436-68
                                                                                                                                                                                                                                                                                                                                                                                              Sequence 16, Application US/10828394 Publication No. US20040220131A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        482 CCAGAGCTCGCCCTTCTAC 500
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                                                                                                                                                                                                                                                                       19 Argargaagacrcrgcrgc 1
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Best Local Similarity 78.9
Matches 15; Conservative
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     ORGANISM: artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: human
US-10-828-394-16
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ORGANISM: human
                                                                                                                                                                                                                                                                                                                                                  RESULT 338
US-10-828-394-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
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TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Jansen, Burkhard
APPLICANT: Jansen, Martin
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: Beraldi, Bliana
APPLICANT: Braidi, Bliana
APPLICANT: Trougakos, Ioannis
APPLICANT: Trougakos, Ioannis
APPLICANT: Trougakos, Ioannis
APPLICANT: Gnoo', Effetathios
TITLE OF INVENTION: RNA! Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC. P-030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR PILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE PATENTIN VERSION 3.2
SEQ ID NO 10
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 21;
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1.2%; Score 19; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 19; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 1; Le
. 1.8e+02;
                   FILE REPRENCE: UBC. P-035
CURRENT APPLICATION NUMBER: US/10/646,391A
CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/319,748
PRIOR APPLICATION NUMBER: US 60/319,748
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 43
SOSTWARE: PATENTIN VERSION 3.2
SEQ ID NO 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
1.2%; Score 19; DB
Best Local Similarity 100.0%; Pred. No. 1.6
Matches 19; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: RNA1 for human clusterin
US-10-646-391A-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               , OTHER INFORMATION: RNAi for human clusterin US-10-646-436-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 10, Application US/10646436
Publication No. US20040096882A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        48 ATGATGAAGACTCTGCTGC 66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   48 ATGATGAAGACTCTGCTGC 66
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                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA ORGANISM: artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 346
US-10-380-124-4
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Sequence 18, Application US/10828395

Publication No. US20040224914A1

Publication No. US20040224914A1

APPLICANT: Jackson, John

APPLICANT: Springate, Christopher

APPLICANT: Springate, Christopher

APPLICANT: Springate, Christopher

APPLICANT: Springate, Christopher

APPLICANT: Martin

TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders

FILE REFERENCE: UBC.P-032

CURRENT APPLICATION NUMBER: US/10/828,395

CURRENT FILING DATE: 2004-04-19

PRIOR APPLICATION NUMBER: US 60/464,160

PRIOR APPLICATION NUMBER: US 60/464,160

PRIOR PILING DATE: 2003-04-18

NUMBER OF SEQ ID NOS: 23

SOFTWARE: Patentin Version 3.2

SEQ ID NO 18
                                                                    APPLICANT: Jackson, John
APPLICANT: Burt, Helen
TILE OF INVENTION: Method for Treatment of Angiogenic Disorders
FILE REFERENCE: UBC.P-032
CURRENT FILING DATE: 2004-04-19
PRIOR PLILING DATE: 2003-04-18
SPRIOR FILING DATE: 2003-04-18
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
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Pred. No. 1.46+02;
4; Mismatches 0; Indels
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68.4%; Pred. No. 1.4e+02
ive 6; Mismatches
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; Sequence 29, Application US/10646391A
; Publication No. US20040082534A1
; GENERAL INFORMATION:
; APPLICANT: Gleave, Martin
; APPLICANT: Jansen, Burkhard
Sequence 17, Application US/10828395
Publication No. US20040224914A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1100 GATGCTCAACACCTCCTCC 1118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1615 CTAATTCAATAAAACTGTC 1633
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 GAUGCUCAACACCUCCUCC 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 78.9%;
Matches 15; Conservative 4
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Best Local Similarity 68.4*;
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: RNA
CRGANISM: human
US-10-828-395-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TYPE: RNA
; ORGANISM: human
US-10-828-395-18
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US-10-921-868A-37/C

Sequence 37, Application US/10921868A

Sequence 37, Application US/10921868A

PUBLICANT NO. USCOSO118251A1

APPLICANT: Nonguata, Leslie P.

APPLICANT: Wong, Jonathan P.

TITLE OF INVENTION: NOVEL DNA-BASED VACCINE AGAINST THE ENCEPHALITIS ALPHAVIRUSES

FILE REPERENCE: NEL-0001/DIV1

CURRENT APPLICATION NUMBER: US/10/921,868A

CURRENT FILING DATE: 2004-08-20

PRIOR PILING DATE: 2001-12-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Martinez, Robert
APPLICANT: Martinez, Robert
APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
FILE REPERENCE: AM100927 (031896-002000)
CURRENT APPLICATION NUMBER: US/10/751,736
CURRENT APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR PILING DATE: 2003-01-06
PRIOR FILING DATE: 2003-01-06
SOFTWARE PARENTE PARENTE IN OFFICE STATES SEQ ID NOS: 54873
SEQ ID NO 11047
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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                     TITLE OF INVENTION: HAVING 2'-0-(2-METHOXY) ETHYL MODIFICATIONS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
1.1%; Score 17.8; DB 1; Length 21;
Best Local Similarity 90.5%; Pred. No. 2.3e+02;
Matches 19; Conservative 0; Mismatches 2; Indels
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                                  CURRENT APPLICATION NUMBER: US/10/080,794
CURRENT RILING DATE: 2002-02-22
FRIOR APPLICATION NUMBER: 60/121,726
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR FILING DATE: 1999-02-26
PRIOR PILING DATE: 2001-08-10
PRIOR PILING DATE: 2001-08-10
PRIOR PILING DATE: 2001-08-10
PRIOR PILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-10
SECOTAMARE: PATENTING NUMBER: 09/944,326
NUMBER: OF SECOTAMER: PATENTING DATE: 2001-08-30
NUMBER: DEPORTER OF SECOTAMER: DATE: 2001-08-30
NUMBER: DATE: 2001-08-30
SECOTAMARE: PATENTIN Ver. 2.1
SECOTAMARE: PATENTIN VER. 2.1
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; Sequence 11047, Application US/10751736
; Publication No. US20040265230A1
; GENERAL INFORMATION:
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; ORGANISM: homo sapiens
US-10-751-736-11047
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Best Local Similarity
Matches 19; Conserval
                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-080-794-15
                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
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Publication No. US20030158130A1
GENERAL INFORMATION:
MATURATION: Martin
MAPPLICANT: Rennie, Paul S.
APPLICANT: Rennie, Paul S.
APPLICANT: Rennie, Paul S.
APPLICANT: Najake, Hideaki
APPLICANT: Colleen
MAPPLICANT: Olyon, Colleen
MAPPLICANT: Olyon, Colleen
MAPPLICANT: USC.P.022
MITTLE OF INVENTION: Olyonucleotides
FILE REFERENCE: USC.P.022
CURRENT APPLICATION NUMBER: US/09/967,726A
CURRENT FILING DATE: 2001-09-28
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin version 3.1
LENGTH: 21
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Publication No. US20030166591A1

GENERAL INFORMATION:
APPLICANT: Rennie, Paul S.
APPLICANT: Naryake, Hideaki
APPLICANT: Nelson, Colleen
APPLICANT: Nelson, Colleen
APPLICANT: Monia, Brett P.
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
Sequence 4, Application US/10380124
GENERAL INFORMATION:

APPLICANT: Isls Pharmaceuticals, Inc.
APPLICANT: Susan M. Freier
TITLE OF INVENTION: MYISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERRNCE: RTS-0156
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: 2 base mismatch primer from human TRPM-2 US-09-967-726A-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 1.1%; Score 18; DB 1; Length 18; Best Local Similarity 100.0%; Pred. No. 1.6e+02; Matches 18; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                           ; OTHER INFORMATION: PCR Primer US-10-380-124-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 90.5
Matches 19; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-967-726A-15/C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-080-794-15/c
                                                                                                                                                                                                                                                                            SEQ ID NO 4
LENGTH: 18
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Sequence 4811, Application US/10786720
| Sequence 4811, Application US/10786720
| GENERAL INFORMATION:
| APPLICANT: Wyeth
| APPLICANT: Wyeth
| APPLICANT: Wyeth
| TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTCHMAUNE
| TITLE OF INVENTION: DISEASES
| FILE REFERENCE: 031896-023000 (AM101331L)
| CURRENT APPLICATION NUMBER: US/10/786,720
| CURRENT FILING DATE: 2004-02-26
| NUMBER OF SEQ ID NOS: 21135
| SOFTWARE PARENTIN VERSION 3.2
| SEQ ID NO 4811
| LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 24026, Application US/10751736
| Publication No. US20040265230A1 |
| GENERAL INCORMANTION: |
| APPLICANT: Wattinez, Robert |
| APPLICANT: How wat |
| APPLICANT: How wat |
| APPLICANT: Liu, Wat |
| TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON |
| TITLE OF INVENTION: CANCERS |
| TITLE OF INVENTION: CANCERS |
| FILE REFERENCE: AM10927 (031896-002000) |
| CURRENT APPLICATION NUMBER: US/10/751,736 |
| CURRENT FILING DATE: 2003-01-06 |
| PRIOR PILING DATE: 2003-01-06 |
| NUMBER OF SEQ ID NOS: 54873 |
| SOFTWARE: PatentIn version 3.2
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Pred. No. 2.8e+02;
0; Mismatches 2; Indels
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                         2; Indels
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ilarity 90.0%; Pred. No. 2.8e+02;
Conservative 0; Mismatches 2;
     1 Similarity 90.0%; Pred. No. 2.8e+02; 18; Conservative 0; Mismatches 2.
                                                                         583 ACTICAGCCGCGCGTCCAGC 602
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US-10-786-720-4811
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Best Local Similarity 90.0
Matches 18; Conservative
Best Local Similarity
Matches 18; Conserv
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Best Local Similarity
Matches 18; Conserv
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US-10-751-736-24026/c
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US-10-786-720-4811/c
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; ORGANISM: RNAi
US-10-751-736-24026
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US-10-911-318-81/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 24026
LENGTH: 21
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| Publication No. US20040191818A1
| Publication No. US20040191818A1
| GENERAL INFORMATION:
| APPLICANT: Wyeth | APPLICANT: Wyeth | APPLICANT: Uiu, Wei
| APPLICANT: Liu, Wei
| TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE | TITLE OF INVENTION: UNDERSES | FILE REFERENCE: 031896-023000 (AM101331L.) | CURRENT APPLICATION NUMBER: US/10/786,720 | CURRENT FILING DATE: 2004-02-26 | NUMBER OF SEQ ID NOS: 21135 | SOGTWARE: PATEING DATE: 2004-02-26 | SOGTWARE: PATEING DATE: 2004-02-26 | SOGTWARE: PATEING DATE: 2003-000 | SEQ ID NO 3371 | LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 4073, Application US/10786720
Sequence 4073, Application US/10786720
Sequence 4073, Application No. US20040191818A1
GENERAL INFORMATION:
APPLICANT: O'TOOLE, MARGOT
APPLICANT: Liu, Wei
TITLE OF INVENTION: DISEASES
TITLE OF INVENTION: DISEASES
TITLE OF INVENTION: DISEASES
TITLE OF INVENTION NUMBER: US/10/786,720
CURRENT APPLICATION NUMBER: US/10/786,720
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SOFTWARE: Patentin version 3.2
SEQ ID NO 4073
LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2; Indels
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  PRIOR APPLICATION NUMBER: 60/256,948
PRIOR FILING DATE: 2000-12-21
NUMBER OF SEQ ID NOS: 49
SOFTWARE: Patentin version 3.1
SEQ ID NO 37
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                             524 CGACTCCTGCTGGAGACG 543
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                                                                                                                                              TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                              ; FEATURE:
; OTHER INFORMATION: DNA Primer
US-10-921-868A-37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; TYPE: RNA
; ORGANISM: RNAi-sense strand
US-10-786-720-3371
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Matches 18; Conservative
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US-10-786-720-4073/c
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Gaps
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ROSSAU, RUDI; VAN HEUVERGWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                       DB 1; L6.
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ZIP: 10016

ZIP: 10016

COMPUTER: READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/899, 082A
FILING DATE: 06-011-2001
CLASSIFICATION: cUnknown>
PRIOR APPLICATION: cunknown>
PRIOR APPLICATION NUMBER: US/09/378, 900
FILING DATE: 18-UUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 18-UUL-1994
APPLICATION NUMBER: EP/93/402, 129.6
FILING DATE: 26-NOV-1993
APPLICATION NUMBER: EP/93/402, 129.6
FILING DATE: 31-AUG-193
APPLICATION NUMBER: EP/93/402, 129.6
FILING DATE: 37-NOV-1993
APPLICATION NUMBER: EP/93/403, 222.0
FILING DATE: 37-NOV-1993
APPLICATION NUMBER: 19/683
REFERRANGE/DOCKET NUMBER: 19, 683
REFERRANGE/DOCKET NUMBER: 19, 683
                                                                                                                                                                                                                                                                                                                                                                                     Query Match
1.0%; Score 16; DB
Best Local Similarity 100.0%; Pred. No. 1.5
Matches 16; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 97, Application US/09899082A Patent No. US20020106638A1 GENERAL INFORMATION:
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TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 97:
SEQUENCE CHARACTERISTICS:
; TELEFAX: (212) 661-8000
TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 97:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION TELEPHONE: (212) 661-800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1508 CAGCCTCCAGGCCCCC 1523
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear MOLECULE TYPE: cDNA
                                                                                                                                                                                                                                               MOLECULE TYPE: CDNA;
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-09-294-121A-97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-899-082A-97/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 357
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                         Sequence 81, Application US/10911318
Publication No. US20050130186A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: METHOD OF DETECTION CHIP AND FABRICATION METHOD THEREOF AND
TITLE OF INVENTION: METHOD OF DETECTION
TITLE OF INVENTION: DETECTION
FILE REFERENCE: 12333-US-PA
CURRENT APPLICATION NUMBER: US/10/911,318
CURRENT APPLICATION NUMBER: TW 92135134
PRIOR PILING DATE: 2004-108-03
PRIOR PILING DATE: 2003-12-12
NUMBER OF SEQ ID NOS: 134
SSOTWARE: PatentIn version 3.3
SEQ ID NO 81
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 97, Application US/09294121A
Fatent No. US20020069422A1
GENERAL INFORMATION:
APPLICANT: MAERTENS, GERT; STUYVER, LIEVEN;
APPLICANT: MAERTENS, GERT; STUYVER, LIEVEN;
TITLE OF INVENTION: ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USW YORK
COMPUTER: PROPAGABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Floppy disk
COMPUTER: BARDABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: STATES: POOSS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:

CLASSIFTCATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

APPLICATION NUMBER:

FILING DATE:

APPLICATION NUMBER:

FILING DATE:

FILING DATE:

FILING DATE:

FILING DATE:

APPLICATION DATA:

APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

APPLICATION NUMBER:

FILING DATE:

APPLICATION NUMBER:

FILING DATE:

APPLICATION NUMBER:

APPLICATION NUMBER:

FILING DATE:

APPLICATION NUMBER:

FILING DATE:

APPLICATION NUMBER:

REGISTANT INFORMATION:

NAME:

REGISTANT NUMBER:

REGISTANT NUMBER:

ATTORNEY AGENT INFORMATION:

NAME:

REGISTANT NUMBER:

ATTORNEY AGENT INFORMATION:

NAME:

REGISTANT NUMBER:

ATTORNEY AGENT NUMBER:

REGISTANT NUMBER:

ATTORNEY AGENT NUMBER:

ATTORNEY AGENT NUMBER:

REGISTANT NUMBER:

ATTORNEY AGENT NUMBER:

TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/294,121A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1281 TCTGATCCCATCACTGTGAC 1300
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA ORGANISM: artificial sequence
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Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: Primer
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  Indels
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                                                                                                                                                                                                                                                                                                      FOR TYPING OF HCV
                                                                                                                                                                                        Sequence 97, Application US/09899044
Publication No. US20030036053A1
GENERAL INFORMATION:
APPLICANT: MARRIENS, GEERT; STUYVER, LIEVEN;
ROSSAU, RUDI; VAN HEUVERSWYN, HUGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1.0%; Score 16; DB 1; L
100.0%; Pred. No. 1.9e+02;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 09/378,900
FILING DATE: JUNKNOWNS, PCT/KEP93/03325
FILING DATE: 26-NOV-1993
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CUMPUTER: Floppy disk
COMPUTER: IBM PC compatible
COMPATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/899,044
FILLING DATE: 06-Jul-2001
CLASSIFICATION: CURROWN>
PRIOR APPLICATION DATA:
  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; SEQUENCE DESCRIPTION: SEQ ID NO: 97: US-09-899-044-97
                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
ADDRESSE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELECONMUNICATION INFORMATION:
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 97:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; Sequence 97, Application US/10822711
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                                        1508 CAGCCTCCAGGCCCCC 1523
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LENGTH: 16 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 10016
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 97
                                                                                     16 CAGCCTCCAGGCCCCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear MOLECULE TYPE: CDNA
    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ANTI-SENSE:
                                                                                                                                                                        US-09-899-044-97/c
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16;
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  Matches
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                                                                                                       1.0%; Score 16; DB 1; Length 16; 100.0%; Pred. No. 1.9e+02; tive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                      US-09-899-302-97/c

JSGQUENCE 97, Application US/09899302

Sequence 97, Application US/09899302

PALENT NO. US20020168626A1

APPLICANT: MAERTENS, GERT; STUXVER, LIEVEN;
APPLICANT: MAERTENS, GERT; STUXVER, LIEVEN;
APPLICANT: NARTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: ISOLATES

NUMBER OF SEQUENCES: 97

CORRESPONDENCE ADDRESS:

ADDRESSE BIERMAN & WUSERLIAN

CORRESPONDENCE OF SEQUENCES: 100 MUSERLIAN

CORRESPONDENCE OF SEQUENCES: 100 MUSERLIAN

CORRESPONDENCE OF SEQUENCES: 100 MUSERLIAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 09/378,900
FILING DATE:
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-UUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-ANG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION POR SEG 1210 661-8000
TELEFAX: (212) 661-8000
TELEFAX: (212) 661-8000
        ; ANTI-SENSE: YES
; SEQUENCE DESCRIPTION: SEQ ID NO: 97:
US-09-899-082A-97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/899,302
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/378,900
                                                                                                                                                                                            1508 CAGCCTCCAGGCCCCC 1523
                                                                                                                                                                                                                                       16 cháccrcchágaccccc 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET: 600 THIRD AVENUE
CITY: NEW-YORK
STATE: NEW YORK
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: sincle
                                                                                                       Query Match
Best Local Similarity 100.0
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
    HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; ANTI-SENSE:
US-09-899-302-97
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Gaps

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Sequence 137, Application US/10160787
Sequence 137, Application US/10160787
Sequence 137, Application US. US20030225256A1
GENERAL INFORMATION:
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF PCTAIRE PROTEIN KINASE 2 EXPRESSION FILE REFERENCE: RTS-0204
CURRENT APPLICATION NUMBER: US/10/160,787
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 141
SEQ ID NO 137
IENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-110-040-31A-24.

Sequence 24, Application US/10646391A

Publication No. US20040082534A1

Publication No. US20040082534A1

Sequence 24, Application No. US20040082534A1

SPECIAL INPORMATION:

APPLICANT: Jansen, Burkhard

TILE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

TILE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

CURRENT APPLICATION NUMBER: US/10/646,391A

CURRENT APPLICATION NUMBER: US 60/405,193

PRIOR PILING DATE: 2003-08-21

PRIOR PILING DATE: 2002-09-03

PRIOR PILING DATE: 2002-12-02

PRIOR PILING DATE: 2003-12-02

PRIOR PILING DATE: 2003-05-20

NUMBER OF SEQ ID NOS: 43

SEQ ID NO 24

LENGTH: 19
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1.0%; Score 16; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 16; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                          Length 20;
                                                                                                                                                                                                                                                                                                                              0; Indels
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Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 16; Conservative 0; Mismatches C
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OTHER INFORMATION: RNAi for human clusterin
                                                                                                                                                                            ; OTHER INFORMATION: Antisense Oligonucleotide
US-10-160-787-84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1583 CATGGGAAGAACAGAA 1598
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 141
SEQ ID NO 84
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                          1583 CATGGGAAGAACAGAA 1598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4 CATGGGAAGAACAGAA 19
                                                                                                               TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                           17 CATGGGAAGAACAGAA 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA ORGANISM: artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
ORGANISM: H. sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 362
US-10-160-787-137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-160-787-137
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
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US-10-160-787-84/C
is Sequence 84, Application US/10160787
Sequence 84, Application US/10160787
GENERAL INFORMATION:
APPLICANT: Andrew T. Watt
ITILE OF INVENTION: ANTISENSE MODULATION OF PCTAIRE PROTEIN KINASE 2 EXPRESSION
ITILE OF INVENTION: ANTISENSE WOLLATION OF CTAIRE PROTEIN KINASE 2 EXPRESSION
CURRENT APPLICATION NUMBER: US/10/160,787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
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1.0%; Score 16; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                               COUNTRY: USER

COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: TBM PC compatible
SOFTWARE: ASCII

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/82,711
FILING DATE: 13-Apr-2004
CLASSIFICATION NUMBER: US/09/899,082A
FILING DATE: 06-Jul-2011
APPLICATION NUMBER: 08/09/318,900
FILING DATE: CURLOWN-
APPLICATION NUMBER: BP/93/402,129.6
FILING DATE: 18-Jul-1994
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-Augl-1993
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 12-NOV-1992
ATTORNEY AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELECPHONE: (212) 661-8002
TELEPRAN: (212) 661-8002
TELERPRAN: (212) 661-8002
              Publication No. US20040191768A1
GENERAL INFORMATION:
GENERT, STUYVER, LIEVEN,
APPLICANT: MAERTENS, GEERT, STUYVER, LIEVEN,
ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCY
ISOLATES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ANTI-SENSE: YES
SEQUENCE DESCRIPTION: SEQ ID NO: 97:
US-10-822-711-97
                                                                                                                                                                            NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1508 CAGCCTCCAGGCCCCC 1523
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ORGANISM: artificial
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US-10-646-391A-27/C

Sequence 27, Application US/10646391A

Publication No. US20040082534A1

GENERAL INFORMATION:

APPLICANT: Gleave, Martin

APPLICANT: Jansen, Burkhard

TILLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

FILE REFERENCE: UBC.P-035

CURRENT ELING DATE: 2003-08-21

FRIOR APPLICATION NUMBER: US 60/406,193

PRIOR FILING DATE: 2002-08-21

PRIOR FILING DATE: 2002-08-21

PRIOR FILING DATE: 2002-12-02

PRIOR FILING DATE: 2003-08-20

PRIOR FILING DATE: 2003-08-20

PRIOR FILING DATE: 2003-08-20

PRIOR FILING DATE: 2003-05-20

NUMBER OF SEQ ID NOS: 43

SEQ ID NO 27

LENGTH: 19
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1.0%; Score 15.8; DB 1; Length 19;
Best Local Similarity 63.2%; Pred. No. 2.8e+02;
Matches 12; Conservative 5; Mismatches 2; Indels
                            Length 19;
                 Score 15.8; DB 1; Length 1
Pred. No. 2.88+02;
Mismatches 2; Indels
                                                       5; Mismatches
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US-10-646-391A-26
                                                                                   1616 TAATTCAATAAAACTGTCT 1634
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                          Query Match 1.0%;
Best Local Similarity 63.2%;
Matches 12; Conservative
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ORGANISM: artificial
US-10-646-391A-24
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; Publication No. US20040096882A1
; GENERAL INFORMATION:
    APPLICANT: Jansen, Burkhard
    APPLICANT: Gleave, Maxtin
    APPLICANT: Signaeveky, Maxim
    APPLICANT: Signaeveky, Maxim
    APPLICANT: Trougakos, Ioannis
    APPLICANT: Trougakos, Ioannis
    APPLICANT: Trougakos, Ioannis
    APPLICANT: Gonos, Effecthios
    TITLE OF INVENTION: RNAi Probes Targeting Cancer-Related Proteins
    TILE REFERENCE: UBC.P-030
    CURRENT APPLICATION NUMBER: US 60/406,136
    CURRENT FILING DATE: 2002-08-21
    PRIOR PILING DATE: 2002-08-21
    PRIOR PILING DATE: 2002-08-21
    PRIOR FILING DATE: 2002-09-03

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APPLICANT: Gleave, Martin
APPLICANT: Signaevsky, Maxim
APPLICANT: Beraldi, Eliania
APPLICANT: Trougakos, Ioannis
APPLICANT: Trougakos, Ioannis
APPLICANT: Trougakos, Ioannis
APPLICANT: Trougakos, Ioannis
APPLICANT: Gonos, Efstathios
TITLE OF INVENTION: RNAi Probes Targeting Cancer-Related Proteins
FILE REPERENCE: UBC.P-030
CURRENT APPLICATION UNBER: US/10/646,436
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1.0%; Score 15.8; DB 1;
Best Local Similarity 89.5%; Pred. No. 2.8e+02;
Matches 17; Conservative 0; Mismatches 2;
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1.0%; Score 15.8; DB 1;
Best Local Similarity 63.2%; Pred. No. 2.8e+02;
Matches 12; Conservative 5; Mismatches 2;
; ORGANISM: artificial
; FEATURE:
; CHENRES
; ORGANISM: NAI for human clusterin
US-10-646-391A-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: RNAi for human clusterin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: US 6/405,133
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR PILING DATE: 2002-09-03
PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin version 3.2
SEQ ID NO 7
LENGTH: 19
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Publication No. US20040096882A1
GENERAL INFORMATION:
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y APPLICANT: MorTISBSY, David

TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)

TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)

TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (sinA)

FILE REPRENENCE: 400/129 (MEHBO2-763B)

CURRENT APPLICATION NUMBER: US 10/444,853

PRIOR FILING DATE: 2003-05-23

PRIOR FILING DATE: 2003-05-23

PRIOR FILING DATE: 2003-05-26

PRIOR FILING DATE: 2003-05-26

PRIOR FILING DATE: 2003-05-36

PRIOR PRILING DATE: 2003-05-36

PRIOR PRILING DATE: 2002-08-05

PRIOR PILING DATE: 2002-08-05

PRIOR FILING DATE: 2002-08-05

PRIOR FILING DATE: 2002-03-11

PRIOR FILING DATE: 2002-06-06

PRIOR PILING DATE: 2002-03-11

PRIOR PLILING DATE: 2002-06-06

PRIOR PILING DATE: 2002-06-06

PRIOR PLILING DATE: 2002-06-05

PRIOR PLILING DATE: 2002-08-09

PRIOR PLILING DATE: 2002-09-05

PRIOR PLILING DATE: 2002-09-05

PRIOR PLILING DATE: 2002-09-05

PRIOR PLILING DATE: 2002-09-06

PRIOR PLILING DATE: 2002-09-06

PRIOR PLILING DATE: 2002-09-09

PRIOR PLILING DATE: 2002-09-
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APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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Local Similarity 89.5%; Pred. No. 2.8e+02;
Les 17; Conservative 0; Mismatches 2;
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                                                                                                                                                                                 Sequence 1001, Application US/10667271; Publication No. US20040209831A1
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1 CUCAAAGAAAACCAAACG 19
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                                                                                                                                                                                                                                                                                                   APPLICANT: Sirna Therapeutics
APPLICANT: McSwiggen, James
APPLICANT: Macejak, Dennis
                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Beigelman, Leonid
APPLICANT: Morrissey, David
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
                                                                                                                                                         US-10-667-271-1001/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-866-108-8666
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APPLICANT:
APPLICANT:
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WS-10-667-211-30

WS-10-667-211-30

WS-10-667-211-30

Sequence 305, Application US/10667271

Publication No. US20040209831A1

GENERAL INFORMATION:

APPLICANT: Sirna Therapeutics

APPLICANT: McSwigen. Jumes

APPLICANT: McSwigen. Jennis

PRIOR APPLICANTON NUMBER: US10/667,271

CURRENT PILING DATE: 2002-03-26

PRIOR APPLICATION NUMBER: USSN 60/401,104

PRIOR APPLICATION NUMBER: USSN 60/363,124

PRIOR APPLICATION NUMBER: USSN 60/363,124

PRIOR FILING DATE: 2002-03-26

PRIOR FILING DATE: 2002-03-26

PRIOR PLICATION NUMBER: USSN 60/406,784

PRIOR FILING DATE: 2002-03-26

PRIOR FILING DATE: 2002-09-05

PRIOR 
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US-10-667-271-305
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1.0%; Score 15.8; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 2.8e+02;
Matches 16; Conservative 1; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2; Indels
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1.0%; Score 15.8; DB 1;
Best Local Similarity 89.5%; Pred. No. 2.8e+02;
Matches 17; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: RNA! for human clusterin
        PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SCFTWARE: Patentin version 3.2
SEQ ID NO 8
LENGTH: 19
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                                                                                                                                                                                                                                          TYPE: DNA ORGANISM: artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 368
US-10-667-271-305
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LENGTH: 19
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94.1%; Pred. No. 2.4e+02;
tive 0; Mismatches 1
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                                                                                                                                  17 TTCATTAAAACTGTCTT 1
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                         16, Conservative
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Best Local Similarity
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Matches 16; Conserv
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US-09-740-332-3013/c
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US-09-740-332-1542
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APPLICANT: Black, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: Chowrize, Bharat
APPLICANT: Chowrize, Bharat
APPLICANT: Haeberli, Pete
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHB00,878-A (400/011)
FILE REFERENCE: MBHB00,878-A (400/011)
CURRENT APPLICATION NUMBER: US 60/181,797
PRIOR PLILING DATE: 2001-02-01
NUMBER OF SEQ ID NOS: 6679
SCOTTANE: Patentin version 3.0
ELENGTH: 17
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44.1%; Pred. No. 2.4e+02;
ve 0; Mismatches 1; Indels
              PRIOR PELICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR PLING DATE: 2000-05-26
PRIOR PLING DATE: 2000-05-26
PRIOR PLING DATE: 2000-09-37
PRIOR PLING DATE: 2000-09-27
PRIOR PLING DATE: 2000-09-27
PRIOR PELING DATE: 2000-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2000-09-21
PRIOR PLING DATE: 2000-09-21
PRIOR PLING DATE: 2000-09-21
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2000-09-21
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SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 8666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 170, Application US/09780533A Publication No. US20030060611A1 GENERAL INFORMATION: APPLICANT: Ribozyme Pharmaceuticals, Inc.
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Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: DNA; ORGANISM: Homo sapiens
US-09-866-108-8666
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; ORGANISM: Homo sapiens
US-09-780-533A-170
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Sequence 154.2, Application US/09740332
Publication No. US2003012527041
Publication No. US2003012527041
Publication No. US2003012527041
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: RPI 400/003
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: Patentin version 3.0
SEQ ID NO 1542
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Publication No. US20030125270A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relateration FIRE REFERENCE: RPI 400/003
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: Patentin version 3.0
SEQ ID NO 3013
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0.9%; Score 15.4; DB 1;
Best Local Similarity 70.6%; Pred. No. 2.4e+02;
Matches 12; Conservative 4; Mismatches 1;
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RESULT 374

0.9%; Score 15.4; DB 1; Length 17;

Query Match

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APPLICANT: Patrice, Lee
APPLICANT: Patrice, Lee
APPLICANT: Raticals, rev.c.
APPLICANT: Reliabeth, Roberts
APPLICANT: Risabeth, Roberts
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPAN.
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS REDIATED.
TITLE OF INVENTION: VIRUS REPLICATION
TORRENT APPLICATION NUMBER: US/10/669,841
CURRENT APPLICATION NUMBER: US 60/296,876
PRIOR FILING DATE: 2001-10-24
PRIOR FILING DATE: 2001-10-24
PRIOR FILING DATE: 2001-10-24
PRIOR FILING DATE: 2001-10-24
PRIOR FILING DATE: 2001-12-05
PRIOR APPLICATION NUMBER: US 60/353,124
PRIOR FILING DATE: 2001-12-05
PRIOR PELING DATE: 2001-12-05
PRIOR PELING DATE: 2001-12-05
PRIOR PELING DATE: 2001-03-26
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2001-07-07
PRIOR FILING DATE: 2
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APPLICANT: Pamela, Pavco
APPLICANT: Pamela, Pavco
APPLICANT: Patrice, Lee
APPLICANT: Patrice, Lea
APPLICANT: Elisabeth, Roberts
APPLICANT: Elisabeth, Roberts
APPLICANT: Elisabeth, Roberts
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
TITLE OF INVENTION: UNROR REPLICATION
FILE REFERENCE: 400/042US (MBHB02-249-E)
CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT FILING DATE: 2003-09-23
PRIOR APPLICATION NUMBER: PCT/US02/09187
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 766 TCCACGCCATGTTCCAG 782
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Dennis, Macejak
James, McSwiggen
David, Morrissey
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APPLICANT:
APPLICANT:
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Sequence 3013, Application US/09817879

Publication No. US20030171311A1

GENERAL INPORMATION: Darymatic Sequence Trille OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate TITLE OF INVENTION: Hepatitis C Virus Infection

FILE REFERENCE: MBHB00-801-F

CURRENT FILING DATE: 2001-03-26

NUMBER OF SEQ ID NOS: 9703

SOFTWARE: Patentin version 3.0

SEQ ID NO 3013

LENGTH: 17
    Sequence 1542. Application US/09817879

Publication No. US20030171311A1

GENERAL INFORMATION:

APPLICATOR:

TITLE OF INVENTION: Hepatitis C Virus Infection

TITLE OF INVENTION INVENTION

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; LOCATION:
; OTHER INFORMATION: Oligonucleotide substrate
US-09-817-879-1542
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; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: Danis, McSwiggen
; APPLICANT: David, Morrissey
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ORGANISM: artificial sequence
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US-09-817-879-3013/c
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APPLICANT: Burt, Helen
APPLICANT: Burt, Helen
APPLICANT: Springate, Christopher
APPLICANT: Grance Martin
TITLE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders
FILE REFERENCE: UBC.P-033
CURRENT APPLICATION NUMBER: US /10/828,394
CURRENT APPLICATION NUMBER: US 60/464,159
PRIOR PILING DATE: 2003-04-18
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin version 3.2
SEQ ID NO 19
LENGTH: 17
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                            PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR PILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 8666
LENGTH: 17
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APPLICANT: Dackson, John
APPLICANT: Burt, Helen
APPLICANT: Springate, Christopher
APPLICANT: Gleave, Martin
TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
FILE REFERENCE: UBC.P-032
CURRENT APPLICANTION NUMBER: US/10/828,395
CURRENT FILING DATE: 2004-04-19
PRIOR APPLICATION NUMBER: US 60/464,159
PRIOR FILING DATE: 2003-04-18
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APPLICATION NUMBER: PCT/US01/00669
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 19, Application US/10828394
Publication No. US20040220131A1
GENERAL INFORMATION:
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Publication No. US20040224914A1
GENERAL INFORMATION:
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Best Local Similarity 94.1%;
Matches 16; Conservative
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Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-8666
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; Sequence 8666, Application US/10723361
; Publication No. US20040137589A1
GENERAL INPORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: GU, Yizhong
; APPLICANT: HANZEL, David R.
; APPLICANT: HANZEL, David R.
; APPLICANT: RENN, SHANNON, MARK
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; TITLE OF INVENTION HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; TITLE OF INVENTION WHERE: US/10/723,361
CURRENT APPLICATION NUMBER: US 69/866,108
; PRIOR APPLICATION NUMBER: US 69/866,108
; PRIOR PILING DATE: 2000-10-26
; PRIOR PILING DATE: 2000-10-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR PILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR PILING DATE: 2001-01-30
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          FRIDER APPLICATION NUMBER: US 60/296,876

PRIOR APPLICATION NUMBER: US 60/335,059

PRIOR FILING DATE: 2001-10-24

PRIOR APPLICATION NUMBER: US 60/337,055

PRIOR FILING DATE: 2001-110-24

PRIOR PELING DATE: 2001-12-05

PRIOR PELING DATE: 2002-02-03-05

PRIOR PELING DATE: 2002-02-03-10

PRIOR PELING DATE: 2002-03-11

PRIOR PELING DATE: 2002-03-11

PRIOR PELING DATE: 2001-03-26

PRIOR PELING DATE: 2001-03-26

PRIOR PELING DATE: 2000-03-16

PRIOR PELING DATE: 2000-01-18

PRIOR PELING DATE: 2000-01-18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: oligonucleotide substrate US-10-669-841-5606
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: RNA
ORGANISM: Artificial Sequence
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   FILING DATE: 2002-03-26
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Sequence 3014, Application US/09817879

Publication No. US20030171311A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals Inc.

TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relater

TITLE OF INVENTION: Hepatitis C virus Infection

TITLE OF INVENTION: Hepatitis C virus Infection

TITLE OF INVENTION: Hepatitis C virus Infection

TITLE OF INVENTION: BABBO-801-F

CURRENT APPLICATION NUMBER: US/09/817,879

CURRENT FILING DATE: 2001-03-26

NUMBER OF SEQ ID NOS: 9703

SOFTWARE: PatentIn version 3.0

SEQ ID NO 3014
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Lawrence, Blatt
APPLICANT: Dennis, Macejak
APPLICANT: Dennis, Macejak
APPLICANT: James, McSwiggen
APPLICANT: David, Morrissey
APPLICANT: Parela, Pavco
APPLICANT: Parela, Pavco
APPLICANT: Parela, Pavco
APPLICANT: Parela, Pavco
APPLICANT: Blisabeth, Roberts
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITIES OF INVENTION: VIRUS REPLICANTION: VIRUS REPLICANTION: USURGASENCE: 490/042US (MBHBOZ-249-E)
CURRENT APPLICATION NUMBER: US/10/669,841
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0.9%; Score 15; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 15; Conservative 0; Mismatches 0; Indels
                                        0.9%; Score 15; DB 1; Length 17; 100.0%; Pred. No. 2.6e+02; tive 0; Mismatches 0; Indels
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COTHER INFORMATION: Oligonucleotide substrate
US-09-817-879-3014
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PRIOR PELING DATE: 2002-03-26
PRIOR PELING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: PCT/USO2/09187
PRIOR APPLICATION NUMBER: US 60/296,876
PRIOR PLING DATE: 2001-10-24
PRIOR PELING DATE: 2001-10-24
PRIOR PELING DATE: 2001-12-05
PRIOR APPLICATION NUMBER: US 60/359,580
PRIOR PELING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/359,580
PRIOR PLING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/359,580
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ORGANISM: artificial sequence
                                                                                                                                                  766 TCCACGCCATGTTCC 780
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                                                                                                 15; Conservative
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                                                                   Best Local Similarity
Matches 15; Conserve
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US-10-669-841-5607/c
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US-09-740-332-3014
                                                Query Match
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Publication No. US2003012527031

GENERAL INPORMATION:
GENERAL INPORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: RPI 400/003
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SEQ ID NO 3014
LENGTH: 17
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US-10-758-451-883/C

US-10-758-451-883/C

SQUENCE 883, Application US/10758451

Publication No. US20050014711A1

GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: East Carolina University

TITLE OF INVENTION: COMPOSITION, FORMULATION & METHOD FOR PREVENTION & TREATMENT OF INTITLE OF INVENTION: AND CONDITIONS ASSOCIATED WITH BRONCHOCCONSTRICTION, ALLERGY (IES)

TITLE OF INVENTION: AND CONDITIONS

FILE REFERENCE: 30775-706.301

CURRENT APPLICATION NUMBER: US/10/758,451

CURRENT FILING DATE: 1998-06-09

PRIOR FILING DATE: 1998-06-09
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0.9%; Score 15.4; DB 1; Length 17;
Best Local Similarity 94.1%; Pred. No. 2.46+02;
Matches 16; Conservative 0; Mismatches 1; Indels
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US-10-828-395-19
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OTHER INFORMATION: oligonucleotide substrate
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.9%; Score 15;
100.0%; Pred. No.
tive 0; Mismatch
  PRIOR APPLICATION NUMBER: US 60/464,160 PRIOR FILING DATE: 2003-04-18 NUMBER OF SEQ ID NOS: 23 SOFTWARE: Patentin version 3.2 SEQ ID NO 19 LENGTH: 17
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SOFWARE: Patentin version 3.1
SEQ ID NO 883
LENCTH: 15
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Best Local Similarity 100.(
Matches 15; Conservative
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NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-758-451-883
                                                                                                                                                                   TYPE: RNA
ORGANISM: artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-740-332-3014/c
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APPLICANT: 01, 12, 120009
APPLICANT: 01, 12, 120009
APPLICANT: 01, 12, 120009
APPLICANT: PRIN, Sharron G.
APPLICANT: HANZEL, David R.
APPLICANT: RANK David R.
APPLICANT: CHEN, Wenshong
APPLICANT: CHEN, MAGER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-10-130
PRIOR PLILNG DATE: 2001-01-130
PRIOR PPLICATION NUMBER: PCT/US01/0666
PRIOR PLILNG DATE: 2001-01-130
PRIOR PLILNG DATE: 2001-01-130
PRIOR PPLILNG DATE: 2001-01-130
PRIOR PPLING DATE: 2001
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Pred. No. 3e+02;
0; Mismatches 1; Indels
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                                                                                                                                                             Sequence 8352, Application US/09866108
Patent No. US20020048800A1
      1 CTCCCACGCCATCTTCCA 18
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Best Local Similarity 93.8
Matches 15; Conservative
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; ORGANISM: Homo sapiens
US-09-866-108-8352
                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: GU, Yizhong
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-866-108-8353/c
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Publication No. US20050004056A1

GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Eulenberg, Karsten

APPLICANT: Eulenberg, Karsten

APPLICANT: Fitsch, Rudiger

APPLICANT: Are accertaged. Arnd

TITLE OF INVENTION: Involved in the regulation of energy homeostasis

TITLE OF INVENTION: Involved in the regulation of energy homeostasis

TITLE OF INVENTION: Involved in the regulation of energy homeostasis

TITLE OF INVENTION: Involved in the regulation of energy homeostasis

TITLE OF INVENTION: 1000010.3

TITLE OF INVENTION: 1000010.3

FILE REPREBENCE: 2020-12-04

CURRENT APPLICATION NUMBER: EP 01 000 010.5

FRIOR PELING DATE: 2002-12-04

PRIOR FILING DATE: 2001-12-07

PRIOR PELING DATE: 2001-12-07

PRIOR PELING DATE: 2001-12-07

PRIOR FILING DATE: 2001-12-07

PRIOR FILING DATE: 2001-12-07

WUMBER OF SEQ ID NOS: 20

SEQ ID NO 11

LENGTH: 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
                                                          PRIOR FILING DATE: 2001-03-26
PRIOR PLING DATE: 2001-03-26
PRIOR PLING DATE: 2000-12-18
PRIOR PLING DATE: 2000-12-18
PRIOR FILING DATE: 2000-07-07
PRIOR PLING DATE: 2000-07-07
PRIOR PLING DATE: 2000-07-07
PRIOR PLING DATE: 2000-02-15
Remaining Prior Application data removed - See File Wrapper or PALM.
WUMBER OF SEQ ID NOS: 16207
SEC ID NO 5607
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.9%; Score 15; DB 1; Length 17; Best Local Similarity 100.0%; Pred. No. 2.6e+02; Matches 15; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: oligonucleotide substrate US-10-669-841-5607
FILING DATE: 2002-03-11
APPLICATION NUMBER: US 09/817,879
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     764 CTTCCACGCCATGTTCCA 781
                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: RNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     766 TCCACGCCATGTTCC 780
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: misc_feature
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GENERAL INFOGRATION:
APPLICANT: GU, Yalahong
APPLICANT: GU, Yalahong
APPLICANT: BENN, Sharron G.
APPLICANT: HANZEL, David R.
APPLICANT: HANZEL, David R.
APPLICANT: RANK, David R.
APPLICANT: SHANNON, MARK
ITILE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TILE REPERENCE: ASONICA-7
CURRENT FILING DATE: 2001-05-25
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2001-09-37
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
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PRIOR FILLING DATE: 2000-10-04
PRIOR FILLING DATE: 2000-10-04
PRIOR FILLING DATE: 2000-10-04
PRIOR FILLING DATE: 2000-09-27
PRIOR PILLING DATE: 2000-09-27
PRIOR PILLING DATE: 2001-01-30
PRIOR PILLING DATE: 2001-02-21
PRIOR PILLING DATE: 2001-02-21
PRIOR PILLING DATE: 2001-02-21
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Patent No. US20020048800A1
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US-09-866-108-8665
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                 APPLICANT: PRING STARTON G.
APPLICANT: RANK, STARTON G.
APPLICANT: RANK, DAVIG R.
APPLICANT: RANK, DAVIG R.
APPLICANT: RANK, DAVIG R.
APPLICANT: RANK, DAVIG R.
APPLICANT: CHEN, Wenshend
APPLICANT: GRANNON, MARK
TITLE OF INVENTION, HYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE STREAMCH: ADDITOR: 2001-05-25
FRIOR APPLICATION NUMBER: US 60/236,359
FRIOR APPLICATION NUMBER: DE 2426.6
FRIOR APPLICATION NUMBER: DC 7/USO1/0666
FRIOR APPLICATION NUMBER: DC 7/USO1/0666
FRIOR APPLICATION NUMBER: DC 7/USO1/0666
FRIOR PLILING DATE: 2001-01-30
FRIOR FILING DATE: 2001-01-30
FRIOR FILING DATE: 2001-01-30
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Sequence 8665, Application US/09866108

Patent No. US20020048800A1

GENERAL INFORMATION:

APPLICANT: GU, Yizhong

APPLICANT: JI, Yonggang

APPLICANT: HANZEL, David K.

APPLICANT: HANZEL, David R.

APPLICANT: SHANNON, Mark

APPLICANT: SHANNON, Mark
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
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PRIOR APPLICATION NUMBER: US 60/207,456
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; ORGANISM: Homo sapiens
US-09-866-108-8353
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US-09-866-108-8665
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DB 1; Length 17; Indele

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GENERAL INFORMATION:

APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: ABOMICA-7
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0.9%; Score 14.4; Di
Best Local Similarity 93.8%; Pred. No. 3e+0'
Matches 15; Conservative 0; Mismatches
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION VIWBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2000-09-21
PRIOR PILING DATE: 2001-09-21
PRIOR PILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
SEQ ID NO 10037
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PLING DATE: 2000-05-26
PRIOR PLING DATE: 2000-05-26
PRIOR PELING DATE: 2000-05-26
PRIOR PELING DATE: 2000-010-04
PRIOR PELING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PELING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR PELING DATE: 2001-01-30
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CURRENT FILING DATE: 2001-05-25
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PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR PPLICATION NUMBER: US 60/266,860
PRIOR FILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
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Patent No. US20020048800A1
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ORGANISM: Homo sapiens
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APPLICANT: GU, Yizhong
APPLICANT: GU, Yonggang
APPLICANT: Duvid K.
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David K.
APPLICANT: CHEN, Wensheng
APPLICANT: CALONO, MArK
TILE OF INVENTION: MYBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
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                                 PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PRICATION NUMBER: PCT/USO1/00663
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-31
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APPLICATION NUMBER: PCT/US01/00663
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APPLICATION NUMBER: PCT/US01/00662
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Best Local Similarity 93.8
Matches 15; Conservative
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; ORGANISM: Homo sapiens
US-09-866-108-8667
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US-09-866-108-10037/c
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Sequence 171, Application US/09780533A

Publication No. US20030060611A1

GRNERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blact, Larry
APPLICANT: Blact, Larry
APPLICANT: Habberli, Pete
TITLE OF INVENTION: Method, 878-4

TITLE OF INVENTION: Method, 878-4

CURRENT APPLICATION NUMBER: US/09/780,533A

CURRENT APPLICATION NUMBER: US 60/181,797

PRIOR APPLICATION NUMBER: US 60/181,797
                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 7, Application US/09928412

Sequence 7, Application US/09928412

Patent No. US2002012362341

SERREAL INFORMATION:

APPLICANT: KAWAOKA, Akiyoshi

APPLICANT: EBINUMA, HICOYASU

TITLE OF INVENTION: TRANSCRIPTION FACTOR CONTROLLING PHENYLPROPANOID

TITLE OF INVENTION: BLOSYNTHESIS PATHWAY

TITLE OF INVENTION: BLOSYNTHESIS PATHWAY

FILE REFERENCE: 4859-0027-0

CURRENT FILING DATE: 2001-08-14

PRIOR FILING DATE: EARLIER FILING DATE: 1998-03-31

PRIOR PLING DATE: EARLIER FILING DATE: 1998-03-31

PRIOR FILING DATE: EARLIER FILING DATE: 1998-03-31

PRIOR FILING DATE: EARLIER FILING DATE: 1998-03-31

PRIOR FILING DATE: EARLIER FILING DATE: 1998-03-31

SOFTWARE: PATENTING NOWS: 13
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, OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA US-09-928-412-7
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93.8%; Pred. No. 3e+02;
ive 0; Mismatches 1; Indels
                                                                                                                                                                                                       1; Indels
SOFTWARE: Aeomica Sequence Listing Engine SEQ ID NO 10038
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                                                                                                                                                                                                                                                 715 CCCGCATCGTCCGCAG 730
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SOFTWARE: Patentin version 3.0
SEQ ID NO 171
LENGTH: 17
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15; Conservative
                                                                                                                                                       Query Match 0.9
Best Local Similarity 93.8
Matches 15; Conservative
                                                                  TYPE: DNA ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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LENGTH: 17
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GENERAL INFORMATION:
APPLICANT: Ribozymarp Pharmaccuticals, Inc.
APPLICANT: Bisozymae Pharmaccuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: WcSwiggen, Jim
APPLICANT: 1990-045-14
CURRENT APPLICANTON NUMBER: US 09/636,385
PRIOR FILING DATE: 2000-03-20
PRIOR FILING DATE: 2000-06-09
PRIOR APPLICANTION NUMBER: US 09/636,347
PRIOR APPLICANTION NUMBER: US 08/436,347
PRIOR FILING DATE: 1995-05-04
PRIOR APPLICANTION NUMBER: US 08/436,430
PRIOR APPLICANTION NUMBER: US 08/436,430
PRIOR FILING DATE: 1995-05-04
PRIOR FILING DATE: PARCHILL VERSION 3.0
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US-09-740-312-1543
US-09-740-312-1543

Sequence 1543, Application US/09740332

Publication No. US20030125270A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: Hepatitis C Virus Infection
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: Patentin version 3.0
SEQ ID NO 1543
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0.9%; Score 14.4; DB 1; Length 17; 33.8%; Pred. No. 3e+02;
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Best Local Similarity 93.8%; Pred. No. 3e+0
Matches 15; Conservative 0; Mismatches
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                                                                                                                              1619 TTCAATAAAACTGTCT 1634
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                              93.8%;
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                                                                Conservative
                              Best Local Similarity
Matches 15; Conserv
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   Query Match
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
TITLE REPERENCE: 400/057 (MBHB01-1158-A)
CURRENT APPLICATION NUMBER: US/10/238,700
CURRENT FILING DATE: 2002-09-18
PRIOR APPLICATION NUMBER: PCT/US 02/16840
PRIOR FILING DATE: 2001-09-10
PRIOR FILING DATE: 2001-09-10
PRIOR FILING DATE: 2001-09-10
SPIOR FILING DATE: 2001-09-10
SPIOR FILING DATE: 2001-09-10
SEQ ID NOS: 4666
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2912
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US-10-339-793-366

Sequence 366, Application US/10339793

Publication No. US20030180764A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Shang, Jin
APPLICANT: Bowen, Benjamin
TITLE OF INVENTION:
TITLE OF INVENTION: GENES AFFECTED BY CHOLESTEROL TREATMENT AND DURING ADIPOGENESIS
FILE REFERENCE: 37-000310US
CURRENT APPLICATION NUMBER: US/10/339,793

CURRENT FILING DATE: 2003-01-08

SOFTWARE: Patentin version 3.1

SEQUENCE: 37-00031003

SEQUENCE: 37-00031003

SEQUENCE: 30-00031003

SEQUENCE: 30-00031
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Pred. No. 3e+02;
0; Mismatches 1;
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Pred. No. 3e+02;
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                                                                                                                                                                                                                                                               US-10-238-700-2912/c
Sequence 2912, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
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                                                                    1508 CAGCCTCCAGGCCCCC 1523
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Best Local Similarity 93.8%;
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Best Local Similarity 93.8%;
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      15; Conservative
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CORGANISM: Homo sapiens
US-10-339-793-366
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US-10-238-700-2912
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      Matches
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TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate TITLE OF INVENTION: Hepatitis C Virus Infection
FILLE REFERENCE: MBHB00-801-F
CURRENT APPLICATION NUMBER: US/09/817,879
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9703
SOFTWARE: Patentin version 3.0
SEQ ID NO 1543
LENGTH: 17
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; Publication No. US20030134312A1
; GENERAL INPORMATION:
; GENERAL INPORMATION:
; APPLICANT: BURGOYNE, LEIGH A.
; TITLE OF INVENTION: METHODS AND MATERIALS FOR DETECTING GENETIC MATERIAL
; FILE REPRENCE: 45886-56664
; CURRENT APPLICATION NUMBER: US/10/298,255
; PRIOR FILING DATE: 2002-11-15
; RICH APPLICATION NUMBER: 06/336,005
; RICH APPLICATION NUMBER: 06/336,005
; RICH FILING DATE: 2001-11-15
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 4
; LENGTH: 17
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                                                                                                                                                                                                                                                               Query Match 0.9%; Score 14.4; DB 1; Length 17; Best Local Similarity 75.0%; Pred. No. 3e+02; Matches 12; Conservative 3; Mismatches 1; Indels
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                                                                                                                                 ; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-1543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               , OTHER INFORMATION: oligonucleotide substrate US-09-817-879-1543
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                                     ORGANISM: artificial sequence
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                                                                                               NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: misc_feature
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Best Local Similarity
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Sequence 8431, Application US/10287949A

Sequence 8431, Application US/10287949A

Sequence 8431, Application No. US20040102389A1

SEQUENCE 8431, Application No. US20040102389A1

SEQUENCE 8420, Pam

APPLICANT: Riboryme Pharmaceuticals, Inc.

APPLICANT: Becobedo, Jaime

APPLICANT: Stinchcomb, Dan

APPLICANT: Stinchcomb, Dan

APPLICANT: Brinch Second on Reagent for the Treatment of Diseases or Conditions Re

TITLE OP INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re

TITLE OP INVENTION: Levels of Vascular Endothelial Growth Factor Receptor

TITLE OP INVENTION: WINBER: US/10/287,949A

CURRENT FILING DATE: 2003-04-11

NUMBER OF SEQ ID NOS: 20822

SOFTWARE: Patentin version 3.0

SEQ ID NO 8431

LENGTH::17
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APPLICANT: Dearlis, Factor
APPLICANT: Dearlis, Factor
APPLICANT: Dearlis, Factor
APPLICANT: Dearlis, Factor
APPLICANT: Partice, Lee
APPLICANT: Partice, Lee
APPLICANT: Remeth, Roberts
TITLE OF INVENTION: OLIGONUCLECONTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS ARPLICATION
TITLE OF INVENTION: OLIGONUCLECONTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS APPLICATION NUMBER: US/10/669,641
CURRENT FILING DATE: 2003-09-23
PRIOR APPLICATION NUMBER: US/10/669,841
CURRENT FILING DATE: 2001-09-23
PRIOR APPLICATION NUMBER: US 60/296,876
PRIOR APPLICATION NUMBER: US 60/335,059
PRIOR PILING DATE: 2001-10-24
PRIOR PILING DATE: 2001-10-24
PRIOR PILING DATE: 2001-10-24
PRIOR PILING DATE: 2001-10-26-08
PRIOR PILING DATE: 2001-10-26-08
PRIOR PILING DATE: 2001-10-26-08
PRIOR PILING DATE: 2001-10-36
PRIOR PILING DATE: 2001-03-26
PRIOR PILING DATE: 2001-03-26
PRIOR PILING DATE: 2001-03-26
PRIOR PILING DATE: 2000-12-06
PRIOR PILING DATE: 2000-12-06
PRIOR PILING DATE: 2000-03-26
PRIOR PILING DATE: 2000-03-36
PRIOR PILING DATE: 2000-03-37
PRIOR PILING DATE: 2000-03-37
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Publication No. US20040127446A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Sirna Therapeutics, Inc. APPLICANT: Lawrence, Blatt APPLICANT: Dennis, Macejak APPLICANT: James, McSwiggen APPLICANT: David, Morrissey
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 93.8<sup>1</sup>
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: RNA
ORGANISM: Homo sapiens
        US-10-287-949A-8431/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-669-841-1745/c
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                                                   APPLICANT: SILIE INTEGERANT: Darger, Kenneth
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Juim
APPLICANT: McHod and Reagent for Inhibiting Hepatitis B Virus Replication
TITLE OF INVENTION: Method and Reagent for Solution
FILE REFERENCE: 400/075 (MBHBO0-845-1)
CURRENT FILING DATE: 2003-01-15
PRIOR FILING DATE: 2000-03-20
PRIOR FILING DATE: 2000-00-20
PRIOR FILING DATE: 2000-10-24
PRIOR FILING DATE: 2000-10-24
PRIOR FILING DATE: 2000-10-24
PRIOR FILING DATE: 1994-02-07
PRIOR FILING DATE: 1994-02-07
PRIOR FILING DATE: 1995-11-08
PRIOR FILING DATE: 1995-10-08
PRIOR FILING DATE: 1999-11-08
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APPLICANT: McSwiggen, Jim
APPLICANT: StinchCoun, Dan
APPLICANT: StinchCoun, Dan
APPLICANT: StinchCoun, Dan
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REPERENCE: MBHBOLO976-N (400/049)
CURRENT APPLICATION NUMBER: US/10/138,674
CURRENT FILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 2002-05-03
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Publication No. US20040077565A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                  APPLICANT: Sirna Therapeutics, Inc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1545 GCTCTGGATCCTGCAC 1560
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            , ORGANISM: Hepatitis B virus US-10-342-902-1745
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          , ORGANISM: Homo sapiens
US-10-138-674-8431
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US-10-138-674-8431/c
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SOFTWARE: PatentIn version 3.0

RESULT 402

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APPLICANT: GU, Yizhong
APPLICANT: J', Yonggang
APPLICANT: J', Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN FILE OF INVENTION NUMBER: US/10/723,361
CURRENT APPLICATION NUMBER: US/10/723,361
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TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
FILE REFERENCE: PB0105
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PRIOR PILING DATE: 2001-05-25
PRIOR PILING DATE: 2001-05-25
PRIOR PILING DATE: 2001-05-25
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR PILING DATE: 2001-01-30
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                                                                                                                                                                                                                                                              Sequence 8352, Application US/10723361; Publication No. US20040137589A1; GENERAL INFORMATION:
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Publication No. US20040137589A1
GENERAL INFORMATION:
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768 CACGCCATGTTCCAGC 783
                                         1 CACGCCAUGUUCCGGC 16
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APPLICANT: GJ, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
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US-10-723-361-8352
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APPLICANT: Renner, Urabyer

TITLE OF INVENTION: OLIGONUCLECTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA

TITLE OF INVENTION: OLIGONUCLECTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS REDICATION

FILE REPRENCE: 400/04208 (MBHB02-249-E)

CURRENT APPLICATION NUMBER: US/10/669,841

CURRENT FILING DATE: 2003-09-33

PRIOR FILING DATE: 2001-06-08

PRIOR FILING DATE: 2001-10-24

PRIOR FILING DATE: 2001-10-24

PRIOR APPLICATION NUMBER: US 60/337,055

PRIOR PELING DATE: 2001-12-05

PRIOR PLING DATE: 2001-12-05

PRIOR PLING DATE: 2002-03-11

PRIOR FILING DATE: 2002-03-31

PRIOR FILING DATE: 2002-03-31

PRIOR FILING DATE: 2002-03-31

PRIOR FILING DATE: 2002-03-31

PRIOR PLING DATE: 2002-03-31

PRIOR FILING DATE: 2000-03-31

PRIOR FILING DATE: 2000-03-31

PRIOR FILING DATE: 2000-03-31

PRIOR FILING DATE: 2000-03-31

PRIOR FILING DATE: 2000-02-3-3

PRIOR FILING D
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                                                                                                                                                                                                                         Query Match 0.9%; Score 14.4; DB 1; Length 17; Best Local Similarity 93.8%; Pred. No. 3e+02; Matches 15; Conservative 0; Mismatches 1; Indels
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1 LOCATION:

2 OTHER INFORMATION: oligonucleotide substrate

US-10-669-841-4136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 4136, Application US/10669841
Publication No. US20040127446A1
GENERAL INFORMATION:
APPLICANT: Lawrence, Blatt
APPLICANT: Dannia, Macejak
APPLICANT: Dannia, Macejak
APPLICANT: Dania, Moswigen
APPLICANT: David, Morrissey
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ORGANISM: Artificial Sequence
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                                                                         ; TYPE: RNA
; ORGANISM: Hepatitis B Virus
US-10-669-841-1745
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Kenneth, Draper
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; SEQ ID NO 1745
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APPLICANT: GU, Yizhong
APPLICANT: GU, Yonggang
APPLICANT: David K.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David K.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI.
FILE REFERENCE: P80105
CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT APPLICATION NUMBER: 2003-11-26
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PRIOR FILING DATE: 2001-05-25
PRIOR FILING DATE: 2001-05-25
PRIOR FILING DATE: 2001-05-25
PRIOR PLING DATE: 2001-05-26
PRIOR PLING DATE: 2000-05-26
PRIOR PLING DATE: 2000-05-26
PRIOR PLING DATE: 2000-010-40
PRIOR PLING DATE: 2000-09-27
PRIOR PLING DATE: 2000-09-27
PRIOR PLING DATE: 2001-01-30
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   PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00668
PRIOR FILING DATE: 2001-01-30
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 8665
LENGTH: 17
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93.8%; Pred. No. 3e+02;
tive 0; Mismatches 1; Indels
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Publication No. US20040137589A1
GENERAL INFORMATION:
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Best Local Similarity 93.8'
Matches 15, Conservative
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Best Local Similarity 93.8
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Homo sapiens
US-10-723-361-8665
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; ORGANISM: Homo sapiens
US-10-723-361-8667
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| Publication No. US200401375891
| Publication No. US200401375891
| GENERAL INFORMATION:
| APPLICANT: GU, Yizhong
| APPLICANT: HANZEL, David K.
| APPLICANT: GLEN, Wensheng
| FRIDR REFERENCE: D00-10-26-26
| PRIOR FILING DATE: 2000-05-26
| PRIOR FILING DATE: 2000-05-26
| PRIOR FILING DATE: 2000-09-27
| PRIOR FILING DATE: 2000-09-27
| PRIOR FILING DATE: 2001-01-30
| PRIOR FILING DATE: 2001-01-30
| PRIOR APPLICATION NUMBER: PCT/US01/00666
| PRIOR FILING DATE: 2001-01-30
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SOFTWARE: Acomica Sequence Listing Engine
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                                                        PRIOR PELICATION NUMBER: US 09/866,108
PRIOR PELICATION NUMBER: US 09/866,108
PRIOR PLILNG DATE: 2001-05-25
PRIOR PLILNG DATE: 2000-05-26
PRIOR PLILNG DATE: 2000-05-26
PRIOR PLING DATE: 2000-10-04
PRIOR PLILNG DATE: 2000-10-04
PRIOR PELING DATE: 2000-10-04
PRIOR PELING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 06/236,359
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00664
PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
CURRENT APPLICATION NUMBER: US/10/723,361
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; ORGANISM: Homo sapiens
US-10-723-361-8353
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Bavco, Pamela
APPLICANT: Bandberg, Jennifer
APPLICANT: Sandberg, Jennifer
APPLICANT: Gardon, Gilad
APPLICANT: Gardon, Gilad
APPLICANT: Gardon, Gilad
APPLICANT: Gardon, Gilad
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: Stinchcomb, Dan
TITLE OF INVENTION: NUCLEIC ACID BASED MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACT
TITLE OF INVENTION: RECEPTOR FOR THE TREATMENT OF ANGIOGENESIS RELATED DISEASES AND
TITLE OF INVENTION: RECEPTOR FOR THE TREATMENT OF ANGIOGENESIS RELATED DISEASES AND
FILE REFERENCE: MHHBD2-328FCT (400/047)
CURRENT FILING DATE: 1995-10-26
PRIOR PELING DATE: 1995-10-108
PRIOR PELING DATE: 1995-01-08
PRIOR PELING DATE: 1995-01-08
PRIOR FILING DATE: 1995-06-10
PRIOR PELING DATE: 2001-10-7
PRIOR PELING DATE: 2001-10-7
PRIOR PELING DATE: 2001-10-30
PRIOR FILING DATE: 2001-11-30
PRIOR FILING DATE: 2001-11-30
PRIOR FILING DATE: 2001-11-30
PRIOR FILING DATE: 2001-11-30
PRIOR FILING DATE: 2001-05-03
PRIOR FILING DATE: 2000-05-26

PRIOR PILING DATE: 2000-00-06

PRIOR FILING DATE: 2000-10-04

PRIOR FILING DATE: 2000-10-04

PRIOR FILING DATE: 2000-10-0-0

PRIOR FILING DATE: 2000-00-27

PRIOR PILING DATE: 2001-01-03

PRIOR PILING DATE: 2001-01-03

PRIOR PILING DATE: 2001-01-03

PRIOR PILING DATE: 2001-01-03

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-03

PRIOR PILING DATE: 2001-01-03
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93.8%; Pred. No. 3e+02;
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SOFTWARE: Patentin version 3.0
SEQ ID NO 3472
LENGTH: 17
TYPE: RNA
ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  715 CCCGCATCGTCGCAG 730
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US-10-723-361-10038
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Matches 15; Conserv
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APPLICANT: GI, Yizhong
APPLICANT: GI, Yizhong
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David R.
APPLICANT: HANZEL, David R.
APPLICANT: SHANKON, MAR.
APPLICANT: SHANKON, MAR.
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN TITLE OF INVENTION: HUMAN MYOSIN-LIKE DOS-126
CURRENT PILING DATE: 2001-05-26
PRIOR PILING DATE: 2001-05-26
PRIOR PILING DATE: 2001-01-04
PRIOR PILING DATE: 2001-01-04
PRIOR PELING DATE: 2001-01-04
PRIOR APPLICATION NUMBER: POT/US01/0066
PRIOR APPLICATION NUMBER: POT/US01/0066
PRIOR APPLICATION NUMBER: POT/US01/0066
PRIOR APPLICATION NUMBER: POT/US01/0066
PRIOR PILING DATE: 2001-01-30
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Publication No. US20040137589A1
GENERAL INFORMATION:
APPLICANT: GI, Yizhong
APPLICANT: PENN, Sharron G.
APPLICANT: PENN, Sharron G.
APPLICANT: RANKEL, David K.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TILLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
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CURRENT APPLICATION NUMBER: US/10/723,361
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                                                                                                                                                                       Sequence 10037, Application US/10723361
Publication No. US20040137589A1
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Best Local Similarity 93.8
Matches 15; Conservative
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; ORGANISM: Homo sapiens
US-10-723-361-10037
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Sequence 1251, Application US/09263959

Sequence 1251, Application US/09263959

Patent No. US20020150891A1

Patent No. US20020150891A1

Patent No. US20020150891A1

APPLICANT: Rowen, Lee

APPLICANT: Rowen, Lee

APPLICANT: Rowen, Ben F.

TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI

TORRESPONDENCE ADDRESS:

ADDRESSEE: Seed and Berry LLP

STREET: 6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
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                                                                                                                                                                                                ; OTHER INFORMATION: Description of Artificial Sequence: Primer US-11-016-291-4
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                                                                                                                                                                                                                                                                                 Query Match

0.9%; Score 14.4; DB 1; Length 1
Best Local Similarity 93.8%; Pred. No. 3e+02;
Matches 15; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET: 6300 Columbia Center, 701 Fifth Avenue CITY: Seattle STATE: Washington COUNTRY: US
ZIP: 98104-7092 COMPUTER READABLE FORM: WEDTUM TYEE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PAETHLIN RElease #1.0, Version #1.25 CURRENT APPLICATION DATA: US/09/263,959
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: MCMASTERS, David D.
REGISTRATION NUMBER: 33,963
REFERENCE/DOCKET NUMBER: 920010.426C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 415
US-10-108-260A-5102
Sequence 5102, Application US/10108260A
; Publication No. US20040005560A1
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05-MAR-1999
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                                                                                                                                                                                                                                                                                                                                                                                                             1508 CAGCCTCCAGGCCCCC 1523
NUMBER OF SEQ ID NOS: 7
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 4
LENGTH: 17
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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TELEPHONE: (206) 682-6031
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 12
SEQUENCE CHARACTERISTICS:
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CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
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Best Local Similarity 93.8
Matches 15; Conservative
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Sequence 1591, Application US/10724270

Sequence 1591, Application US/10724270

Publication No. U32005080031A1

GENERAL INFORMATION:

APPLICANT: MASSINGEN US And US And US APPLICANT: MASSINGEN US AND US A
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Publication No. US20050095641A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: WETHODS AND MATERIALS FOR DETECTING GENETIC MATERIAL
FILE REPERENCE: 45858-56064
CURRENT APPLICATION NUMBER: US/11/016,291
CURRENT APPLICATION NUMBER: 60/336,005
PRIOR FILING DATE: 2004-12-17
PRIOR FILING DATE: 2001-11-15
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                                                                              Score 14.4; DB 1; Length 17; Pred. No. 3e+02;
                                                                                                                                       1; Indels
                                                                                                                                    0; Mismatches
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                                                                                    0.9%;
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Best Local Similarity 93.8
Matches 15; Conservative
                                                                                       Query Match 0.9
Best Local Similarity 93.8
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                RESULT 412
US-10-724-270-1591/c
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                              US-10-712-633-3472
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LENGTH: 17
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Squence 359, Application US/09930423

Squence 359, Application Wolos20030092003A1

GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Blatt, Larry

APPLICANT: BLatt, Larry

APPLICANT: BCSwiggen, Jim

TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease

TILE REFERENCE: MRHB00, 918-A 400/027

CURRENT APPLICATION NUMBER: US/09/930,423

CURRENT FILING DATE: 2001-08-15

SOFTWARE: Patentin version 3.0

SEQ ID NO 359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Platt, Larry
APPLICANT: Ribozymen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: MBHB00,918-A 400/027
CURRENT APPLICATION NUMBER: US/09/930,423
CURRENT FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: Patentin version 3.0
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                                                               Query Match 0.9%; Score 14; DB 1; Length 17; Best Local Similarity 85.7%; Pred. No. 3.2e+02; Matches 12; Conservative 2; Mismatches 0; Indels
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Best Local Similarity 85.7%; Pred. No. 3.2e+02;
Matches 12; Conservative 2; Mismatches 0;
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Pred. No. 3.2e+02;
2; Mismatches 0;
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Publication No. US20030092003A1
GENERAL INFORMATION:
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Best Local Similarity 85.7%
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ORGANISM: Homo Sapiens
US-09-930-423-359
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US-09-930-423-360
; ORGANISM: Homo Sapiens
US-09-930-423-9
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US-09-740-332-1541
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TITLE OF INVENTION: COMPOSITION, FORMULATION & METHOD FOR PREVENTION & TREATMENT OF E
TITLE OF INVENTION: TOPICALINING ASSOCIATED WITH BRONCHOCONSTRICTION, ALLERGY(IES)
TITLE OF INVENTION: INFLAMMATION
FILE REFERENCE: 30775-706.301
CURRENT APPLICATION NUMBER: US/10/758,451
CURRENT PILING DATE: 2004-01-14
PRIOR FILING DATE: 1998-06-09
PRIOR FILING DATE: 1998-06-09
NUMBER OF SEQ ID NOS: 996
SOFTWARE: Patentin version 3.1
SEQ ID NO 884
                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: Description of Artificial Sequence: an artificially synthesized US-10-108-260A-5102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 9, Application US/09930423
Sequence 9, Application US/0992003A1
Sublication No. US20030092003A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TILE OF INVENTION: Mcthod and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: MBHB00, 918-A 400/027
CURRENT FILING DATE: 2001-08-15
CURRENT FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: Patentin version 3.0
SEQ ID NO 9
LENGTH: 17
TYPE: RNA
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       APPLICANT: HELIX RESEARCH INSTITUTE
TITLE OF INVENTION: No. US20040005560Alel full length cDNA FILE REFERENCE: H1-A0106
CURRENT APPLICATION NUMBER: US/10/108,260A
CURRENT APPLICATION NUMBER: US/10/108,260A
CURRENT FILING DATE: 2002-03-27
NUMBER OF SEQ ID NOS: 5458
SOFTWARE: Patentin Ver. 2.1
LENGTH: 18
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; Sequence 884, Application US/10758451
; Publication No. US20050014711A1
; GENERAL INFORMATION:
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Best Local Similarity 100.0
Matches 14; Conservative
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ORGANISM: Homo sapiens
US-10-758-451-884
GENERAL INFORMATION:
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                                                                                                                                                                                                                                   TYPE: DNA
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Sequence 1541, Application US/09817879

Publication No. US20030171311A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE MHB00-801-F
CURRENT APPLICATION UNMBER: US/09/817,879
CURRENT PILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9703
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1541
ILENGTH: 17
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Publication No. US20030143708A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Blatt, Larry

APPLICANT: Blatt, Larry

APPLICANT: McSwiggen, Jim

TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease

TITLE OF INVENTION: WHOSE: US/09/745,237A

CURRENT FILING DATE: 2002-04-15

NUMBER OF SEQ ID NOS: 4550

SOFTWARE: PatentIn version 3.0

SEQ ID NO 360

LENGTH: 17
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85.7%; Pred. No. 3.2e+02;
tive 2; Mismatches 0; Indels
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0.9%; Score 14; DB 1; Length 17;
Best Local Similarity 85.7%; Pred. No. 3.2e+02;
Matches 12; Conservative 2; Mismatches 0; Indels
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ORGANISM: artificial sequence
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Best Local Similarity 85.74
Matches 12; Conservative
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CRGANISM: Homo sapiens
US-09-745-237A-360
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; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-745-237A-359
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Best Local Similarity
Matches 10; Conserv
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US-09-817-879-1541
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US-09-745-237A-360
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Publication No. US20030125270A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Braymatic Nucleic Acid Treatment of Diseases or Conditions Relate TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: RPI 400/003
FURE REFERENCE: RPI 400/003
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SSOFTWARE: Patentin version 3.0
SEQ ID NO 1541
LENGTH: 17
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US-09-745-237A-9
Sequence 9, Application US/09745237A
Sequence 9, Application US/09745237A
Publication No. US20030143708A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: McHand and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: 400/007 (McHB00-918-A)
CURRENT APPLICATION NUMBER: US/09/745,237A
CURRENT APPLICATION NUMBER: US/09/745,237A
CURRENT FILING DATE: 2002-04-15
NUMBER OF SEQ ID NOS: 4550
SOFTWARE: PatentIn version 3.0
SOFTWARE: PatentIn version 3.0
SEQ ID NO 9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 17;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LOCATION:
COTHER INFORMATION: oligonucleotide substrate
US-09-740-332-1541
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                                                                                                                                                                                                                                                                                                                                                                                                TYPE: RNA
ORGANISM: artificial sequence
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Best Local Similarity 85.79
Matches 12; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-745-237A-9
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Length 17;

100.0%;

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Best Local Similarity 100.
Matches 14; Conservative
Query Match
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; Sequence 956, Application US/10307005
; Publication No. US20030362362081
; GENERAL INFORMATION:
; APPLICANT: University of Delaware
; APPLICANT: Michael C. Rice
; APPLICANT: Michael C. Rice
; APPLICANT: Michael C. Rice
; APPLICANT: Howard B. Gamper
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations in Plants
; TITLE OF INVENTION: Using Modified Single Stranded Oligonucleotides
; TITLE OF INVENTION: Using Modified Single Stranded Oligonucleotides
; TITLE OF INVENTION: USING MODER: US/10/307,005
; TITLE OF ILING DATE: 2001-06-01
; PRIOR PILING DATE: 2000-06-01
; PRIOR FILING DATE: 2000-06-01
; PRIOR FILING DATE: 2000-10-30
; PRIOR FILING DATE: 2000-10-30
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 2717
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 956
                                                                                                                                            Sequence 955, Application US/10307005

Publication No. US20030236208A1

GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: University of Delaware

APPLICANT: Howard B. Gamper

APPLICANT: Howard B. Gamper

APPLICANT: Wichael C. Rice

APPLICANT: Wichael C. Rice

APPLICANT: Windrael C. Rice

APPLICANT: Uningrap Kim

TITLE OF INVENTION: Using Modified Single Stranded Oligonuclectides

FILE REFERENCE: Napro/009 PCT

CURRENT APPLICATION NUMBER: US 60/208,538

PRIOR FILING DATE: 2000-06-01

PRIOR FILING DATE: 2000-06-01

PRIOR APPLICATION NUMBER: US 60/244,989

PRIOR FILING DATE: 2000-06-01

PRIOR PLILING DATE: 2000-06-01

PRIOR PLILING DATE: 2000-06-01

PRIOR PLILING DATE: 2000-06-01

PRIOR PLILING DATE: 2000-08-030

PRIOR FILING DATE: 2000-08-030

PRIOR PRI
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0.9%; Score 14; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 14; Conservative 0; Mismatches 0; Indels
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US-10-307-005-955/c
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APPLICANT: David, Morrissey
APPLICANT: Pamela, Pavco
APPLICANT: Pamela, Pavco
APPLICANT: Patrice, Lee
APPLICANT: Patrice, Lee
APPLICANT: Renneth, Draper
APPLICANT: Elieabeth, Roberts
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
TITLE OF INVENTION: VIRUS REPLICATION
FILE REFERENCE: 400/042US (MBHB002-249-E)
CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT FILING DATE: 2003-09-23
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PRIOR FILING DATE: 2002-03-26
PRIOR FILING DATE: 2002-03-26
PRIOR FILING DATE: 2001-06-08
PRIOR PELICATION NUMBER: US 60/235,059
PRIOR PELICATION NUMBER: US 60/335,059
PRIOR APPLICATION NUMBER: US 60/337,055
PRIOR PELING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: US 60/337,055
PRIOR PLING DATE: 2002-02-02
PRIOR PELING DATE: 2002-02-02
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PLING DATE: 2002-03-11
PRIOR PLING DATE: 2001-03-26
PRIOR PLING DATE: 2000-03-16
PRIOR PLING DATE: 2000-03-16
PRIOR PLING DATE: 2000-03-16
PRIOR PLING DATE: 2000-03-17
PRIOR PLING DATE: 2000-03-15
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OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
FEATURE:
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0.9%; Score 14; DB 1; Le
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, OTHER INFORMATION: oligonucleotide substrate
US-10-669-841-4134
                                                                                                                                                                                                                                                                                                                                                            Sequence 4134, Application US/10669841
Publication No. US20040127446A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Sirna Therapeutics, Inc. APPLICANT: Lawrence, Blatt
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ORGANISM: Artificial Sequence
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Best Local Similarity 71.49
Matches 10; Conservative
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Best Local Similarity 88.22
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US-09-866-108-2643
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                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Acomica Sequence Listing Engine SEQ ID NO 1895
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 2643, Application US/09866108; Patent No. US20020048800A1; GENERAL INFORMATION:
APPLICANT: GU, Yizhong; APPLICANT: JI, Yonggang; APPLICANT: PENN, Sharron G; APPLICANT: HANK, David K.; APPLICANT: RANK, David K.; APPLICANT: CHEN, Wensheng
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        93 GAGAGTGGGCAGGTCCT 109
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                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQ ID NOS: 15752
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; ORGANISM: Homo sapiens
US-09-866-108-1895
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US-09-866-108-2643/c
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### APPLICANT: SHANNOW, MATK

TITLE OF INVENTION: WASSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE

FILE REPERBRICE: ADOMICA-7

CURRENT APPLICATION NUMBER: US 60/207,456

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR PILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR APPLICATION NUMBER: US 60/206,359

PRIOR PILING DATE: 2000-10-40

PRIOR APPLICATION NUMBER: US 60/206,359

PRIOR APPLICATION NUMBER: PCT/USO1/00666

PRIOR APPLICATION NUMBER: PCT/USO1/00667

PRIOR PILING DATE: 2001-01-30

PRIOR PILIN
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Pred. No. 3.3e+02;
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APPLICANT: GI, Yongang
APPLICANT: GI, Yongang
APPLICANT: GI, Yongang
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David K.
APPLICANT: CHEN, Wensheng
APPLICANTON NUMBER: US/09/866,108
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-105-26
PRIOR PILING DATE: 2000-105-26
PRIOR PILING DATE: 2000-100-27
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2001-01-30
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Pred. No. 3.3e+02;
0; Mismatches 2;
                                                                                  PRIOR APPLICATION NUMBER: PCT/USO1/00663
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-03-30
PRIOR PILING DATE: 2000-09-21
PRIOR PILING DATE: 2000-09-21
PRIOR PILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Acomica Sequence Listing Engine
SSOFTWARE: Acomica Sequence Listing Engine
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APPLICATION NUMBER: PCT/US01/00665
FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00663
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Patent No. US20020048800A1
GENERAL INFORMATION:
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Best Local Similarity 88.2%;
Matches 15; Conservative
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US-09-866-108-7485
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Sequence 7485, Application US/09866108

Sequence 7485, Application US/09866108

Sequence 7485, Application US/09866108

SEQUENCE OF USERVATION:

APPLICANT: GU, Yizhong

APPLICANT: PENN, Sharron G.

APPLICANT: PENN, Sharron G.

APPLICANT: RANK, David R.

APPLICANT: ROUGLCA-26

PRIOR PLING DATE: 2000-05-26

PRIOR PLING DATE: 2000-10-04

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30
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PRIOR PELICATION NUMBER: PCT/USO1/00666
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00667
PRIOR PILLING DATE: 2001-01-30
PRIOR PILLING DATE: 2001-01-30
PRIOR PILLING DATE: 2001-01-30
PRIOR PILLING DATE: 2001-01-30
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PRIOR PILLING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00665
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ORGANISM: Homo sapiens
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US-09-866-108-7485/c
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Gaps

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Length 17; Indels

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APPLICANT: SHANNOW, MARK
TILLE OF INVENTION, MARK
TILLE OF INVENTION, MACK
TILLE OF INVENTION, MACK
TILLE OF INVENTION, MACK
TILLE OF INVENTION, MACK
TILLE REPRESENCE: AGOMICA-5
CURRENT APPLICATION UNDERS: US/09/866,108
CURRENT FILING DATE: 2001-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-27
PRIOR PILING DATE: 2000-05-27
PRIOR PILING DATE: 2000-05-27
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PELICATION NUMBER: PCT/US01/00664
PRIOR PLILING DATE: 2001-01-30
PRIOR PELICATION NUMBER: PCT/US01/00665
PRIOR PILING DATE: 2001-01-30
PRI
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                                                                                                                                 Length 17;
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88.2%; Pred. No. 3.3e+02;
tive 0; Mismatches 2; Indels
                                                                                                                      0.8%; Score 13.8; DB 1;
88.2%; Pred. No. 3.3e+02;
tive 0; Mismatches 2;
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Patent No. US20020048800A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                               267 CTAGAAGAAGCCAAGAA 283
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David K.
APPLICANT: CHEN, Wensheng
                                                                                                              Query Match
Best Local Similarity 88.29
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 0.8
Best Local Similarity 88.2
Matches 15; Conservative
                  ; ORGANISM: Homo sapiens
US-09-866-108-8660
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ORGANISM: Homo sapiens
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APPLICANT: PENN, SCHATCH
APPLICANT: PENN, SCHATCH
APPLICANT: PENN, SCHATCH
APPLICANT: PENN, SCHATCH
APPLICANT: RANK, DAVIG R.
APPLICANT: RANK, DAVIG R.
APPLICANT: SHAMONI, MARK
TITLE OF INVENTION: MYGORIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
CURRENT FILING DATE: 100/10-6-25
FRIGHER FILING DATE: 2000-6-2-6
FRIGHER FILING DATE: 2000-60-3-7
FRIGHER FILING DATE: 2000-60-3-7
FRIGHER FILING DATE: 2001-00-3-7
FRIGHER FILING DATE: 2001-01-30
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                                 PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR FILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15/52
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 8568
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 8660, Application US/09866108
Patent No. US200200488800A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
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PRIOR FILING DATE: 2001-01-30
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; ORGANISM: Homo sapiens
US-09-866-108-8568
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US-09-866-108-8660
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HANZEL, David K
RANK, David R.
CHEN, Wensheng
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US-09-866-108-8664
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APPLICANT: 01, Yizhong
APPLICANT: 11, Yongsang
APPLICANT: HAZEL, David K.
APPLICANT: HAZEL, David K.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, MARIER: 12000-05-25
FILE REFERENCE: ARONICA-TIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: ARONICA-TIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: ARONICA-TIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: ARONICA-TICAN WINGER: US 66-25
FRIOR APPLICANTON NUMBER: US 60-25-25
FRIOR APPLICANTON NUMBER: PCT/USO1/0066
FRIOR FILING DATE: 2000-09-27
FRIOR FILING DATE: 2001-01-30
FRIOR PRILICANTON NUMBER: PCT/USO1/0066
FRIOR FILING DATE: 2001-01-30
FRIOR APPLICATION NUMBER: PCT/USO1/0066
FRIOR APPLICATION NUMBER: PCT/USO1/0067
FRIOR APPLICATION NUMBER: US 60/266, 860
FRIOR FILING DATE: 2001-01-30
FRIOR APPLICATION NUMBER: US 60/266, 860
FRIOR FILING DATE: 2001-01-30
FRIOR PRILICANTE: 2001-02-55
SOFTWARE: ABOUTCATION NUMBER: US 60/266, 860
FRIOR FILING DATE: 2001-02-55
SOFTWARE: ABOUTCATION NUMBER: US 60/266, 860
FRIOR FILING DATE: 2001-02-55
SOFTWARE: ABOUTCATHOR TOTAL
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88.2%; Pred. No. 3.3e+02;
tive 0; Mismatches 2; Indels
                                                                                                                         Sequence 8663, Application US/09866108
Patent No. US20020048800A1
GENERAL INFORMATION:
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Patent No. US20020048800A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    270 GAAGAAGCCAAGAAGAA 286
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ORGANISM: Homo sapiens
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US-09-866-108-8664
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APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
IIILE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRICA APPLICATION NUMBER: US 60/207,456
PRICH FILING DATE: 2000-05-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: Aeomica Sequence Listing Engine SEQ ID NO 8664
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Patent No. US20020048800A1
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US.09-866.108-9689/c
US.09-866.108-9689/c
US.09-866.108-9689/c
US.09-866.108-9689, Application US/09866108
Patent No. US20020046800A1
APPLICANT: GU, Yizhoug
APPLICANT: GU, Yizhoug
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David R.
APPLICANT: GHEN, Wensheng
APPLICANT: SADONICA-7
CURRENT FILING DATE: 2001-05-25
FILE REFERENCE: AEOMICA-7
CURRENT FILING DATE: 2001-01-04
FRIOR FILING DATE: 2000-05-26
FRIOR FILING DATE: 2000-05-26
FRIOR PELING DATE: 2000-010-04
FRIOR PELING DATE: 2001-01-04
FRIOR PELING DATE: 2001-01-03
FRIOR PELING DATE: 2001-01-30
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Pred. No. 3.3e+02;
0; Mismatches 2; Indels
                  PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00669
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Best Local Similarity 88.2'
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-9688
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pacent No. US2002048800A1

GENERAL INFORMATION:

APPLICANT: GUY, Yizhong

APPLICANT: GUY, Yizhong

APPLICANT: HANZEL, David K.

APPLICANT: RANK, David R.

APPLICANT: RANK, David R.

APPLICANT: RANK, David R.

APPLICANT: RANK, David R.

APPLICANT: APLICANT: APLOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE

FILE REFERENCE: AEOMICA-7

CURRENT APPLICATION NUMBER: US/09/666,108

CURRENT APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-25

PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-05-3

PRIOR FILING DATE: 2000-06-3

PRIOR FILING DATE: 2000-03-3

PRIOR FILING DATE: 2001-03-4

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30
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88.2%; Pred. No. 3.3e+02;
tive 0; Mismatches 2; Indels
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-07
PRIOR FILING DATE: 2000-10-27
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00664
PRIOR PILING DATE: 2001-01-30
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ORGANISM: Homo sapiens
US-09-866-108-9687
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Best Local Similarity
Matches 15; Conserv
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US-09-866-108-9688/c
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Gaps

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Sequence 115, Application US/09864785
Sequence 115, Application US/09864785
Patent No. US20020177568A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Stinchcomb, Dan
APPLICANT: Draper, Ken
APPLICANT: MCSwiggen, Jim
TITLE OF INVENTION: Levels of NF-Kappa B
TITLE OF INVENTION: Levels of NF-Kappa B
TITLE OF INVENTION: Levels of NF-Kappa B
CURRENT FILING DATE: 2001-05-23
CURRENT FILING DATE: 2001-05-23
SOFTWARE: PatentIn version 3.0
SEQ ID NO 115
LENGTH: 17
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Sequence 117, Application US/09864785

Patent No. US2002017568A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Stinchcomb, Dan
APPLICANT: Brinchcomb, Dan
APPLICANT: McSwiggen, Jim
APPLICANT: Levels of NP-Kappa B
FILE REFERENCE: 400/022 (MBHB00-812-D)
CURRENT APPLICATION NUMBER: US/09/864,785
CURRENT FILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 3929
SOFTWARE: PatentIn version 3.0

LENGTH. 17
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0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 3.3e+02;
Matches 14; Conservative 1; Mismatches 2; Indels
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US-09-864-785-115
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Patent No. US2002017568A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           988 CCACCAACAACCCCTCC 1004
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ORGANISM: Artificial Sequence
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US-09-864-785-213
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APPLICANT: SMITH, Lloyd M.
APPLICANT: SMITH, Lloyd M.
APPLICANT: HOOD, Leroy B.
APPLICANT: HOOD, Leroy B.
APPLICANT: HONGAPILLER, Michael W.
APPLICANT: HUNKAPILLER, Michael W.
APPLICANT: HUNKAPILLER, Michael W.
TITLE OF INVENTION: AUTOMATED DNA SEQUENCING TECHNIQUE
FILE REFERENCE: 24313200106
CURRENT FILING DATE: 2010-02-02
CURRENT PILING DATE: 1995-06-07
PRIOR FILING DATE: 1995-06-07
PRIOR FILING DATE: 1995-06-12
PRIOR FILING DATE: 1991-02-21
PRIOR FILING DATE: 1991-02-21
PRIOR FILING DATE: 1991-02-21
PRIOR FILING DATE: 1991-02-21
PRIOR PLICATION NUMBER: 07/660,160
PRIOR PLICATION NUMBER: 07/660,160
PRIOR PLICATION NUMBER: 07/660,160
PRIOR PLILING DATE: 1991-02-21
PRIOR FILING DATE: 1991-02-21
PRIOR PLILING DATE: 1995-04-12
PRIOR FILING DATE: 1995-04-11
PRIOR FILING DATE: 1995-04-07
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR FILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 9689
LENGTH: 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
CORGANISM: Homo sapiens
US-09-866-108-9689
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Sequence 1519, Application US/09864785
; Sequence 1519, Application US/09864785
; Patent No. US20020177568A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Draper, Ken
; APPLICANT: McSaviggen, Jim
; TITLE OF INVENTION: Levels of NF-Kappa B
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 3929
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1519
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Sequence 1520, Application US/09864785

Patent No. US20020177568A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Stinchcomb, Dan
APPLICANT: Draper, Ken
APPLICANT: Draper, Ken
APPLICANT: Draper, Nim
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related TITLE OF INVENTION: Levels of NF-Kappa B
FILE REFERENCE: 400/022 (MBHB00-812-D)
CURRENT APPLICATION NUMBER: US/09/864,785
CURRENT APPLICATION NUMBER: US/09/864,785
CURRENT FILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 3929
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1520

LENGTH: 17
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                                                                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid US-09-864-785-336
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US-09-864-785-1519
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 17;
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0.8%; Score 13.8; DB 1;
Best Local Similarity 82.4%; Pred. No. 3.38+02;
Matches 14; Conservative 1; Mismatches 2;
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     2001-05-23
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                                         NUMBER OF SEQ ID NOS: 3929
SOFTWARE: Patentin version 3.0
SEQ ID NO 336
LENGTH: 17
                                                                                                                                                                                                                                              TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Artificial Sequence
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     CURRENT FILING DATE:
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US-09-864-785-1520
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Sequence 336, Application US/09864785

Sequence 316, Application US/09864785

Sequence 316, Application US/09864785

Sequence 316, Application Sequence Seq
                               APPLICANT: Draper, Ken
APPLICANT: Draper, Ken
APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of NF-Kappa B
FILE REFERENCE: 400/022 (NBHB00-812-D)
FILE REFERENCE: 400/022 (NBHB00-812-D)
CURRENT PILLNG DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 3929
SOFTWARE: Patentin version 3.0
SEQ ID NO 213
LENGTH: 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-213
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid US-09-864-785-215
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ORGANISM: Artificial Sequence
Stinchcomb, Dan
Draper, Ken
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 444
US-09-864-785-215
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Chowriza, Bharat
APPLICANT: McSwiggen, Jim
APPLICANT: Habberli, Pete
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MHBBO, 878-A (400/011)
CURRENT APPLICATION NUMBER: US/09/780, 533A
CURRENT FILING DATE: 2001-02-09
PRIOR PILING DATE: 2000-02-11
PRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 6679
SOFTWARE: Patentin version 3.0
SEQ ID NO 1053
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88.2%; Pred. No. 3.3e+02;
tive 0; Mismatches 2;
                                        COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: WORD Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/961,077
FILING DATE: 21-Sep-2001
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                                                                                                                                                                                                                    APPLICATION NUMBER: 08/679,645
FILING DATE: July 12, 1996
APPLICATION NUMBER: 60/001,135
FILING DATE: July 13, 1995
APPLICATION NUMBER: 08/300,726
FILING DATE: September 2, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 219/247
TELECOMMUNICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear SEQUENCE DESCRIPTION: SEQ ID NO: 687:
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Sequence 1053, Application US/09780533A
Publication No. US20030060611A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 687:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
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STRANDEDNESS: single
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Best Local Similarity 88.2
Matches 15, Conservative
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US-09-780-533A-1053
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; Sequence 2036, Application US/09864785
; Patent No. US2002017568A1
; GENERAL INFORMATION:
    APPLICANT: Ribozyme Pharmaceuticals, Inc.
    APPLICANT: Action Pharmaceuticals, Inc.
    APPLICANT: Draper, Ken
    APPLICANT: McSwiggen, Jum
    TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
    TITLE OF INVENTION: Levels of NP-Kappa B
    FILE REFERENCE: 400/022 (MRHB00-812-D)
    CURRENT APPLICATION NUMBER: US/09/864,785
    CURRENT FILING DATE: 2001-05-23
    NUMBER OF SEQ ID NOS: 3929
    SOCTRARE: PatentIn version 3.0
    SEQ ID NO 2036
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  , OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-1520
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                                                                                        Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 82.4%; Pred. No. 3.3e+02; Matches 14; Conservative 1; Mismatches 2; Indels
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Skokut, Thomas A.
Young, Scott A.
Pollar, Otto
Merlo, Donald J.
TITLE OF INVENTION: COMPOSITION AND METHODS FOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Edington, Brent E.
McSwiggen, James A.
Merlo, Patricia Ann Owens
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STREET: 633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MODULATION OF
IN PLANTS
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Publication No. USZ0030014775A1
GENERAL INFORMATION:
APPLICANT: Zwick, Michael G.
                                                                                                                                                                                           1506 CCCAGCCTCCAGGCCCC 1522
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ORGANISM: Artificial Sequence
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STATE: California
COUNTRY: U.S.A.
ZIP: 30071-2066
COMPUTER READABLE FORM:
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CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
Matches 14; Conserva
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FEATURE:
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APPLICANT: Nyce, Jonathan W.

IITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION

& TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WITH
BRONCHOCONSTRICTION, ALLERGY(IES) & INFLAMMATION
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                                                                                                                                                                                                                                                                                                                                                                     Length 17;
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MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC compatible
COMPUTER: SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
                                                                                                                                                                                                                                                                                                                                                                  Query Match

0.8%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 3.3e+02;
Matches 15; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/093,972C
FILING DATE: 09-Uun-1998
CLASSIFICATION - Unkrown-
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-Uune-1995
APPLICATION NUMBER: US 08/757,024
FILING DATE: 26-11-1996
APPLICATION NUMBER: US 08/472,527
FILING DATE: 3-Uune-1995
APPLICATION NUMBER: US 09/016,464
FILING DATE: 30-January-1998
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: EPI-00672
TELECOMMUNICATION INFORMATION:
REFERENCE/DOCKET NUMBER: EPI-00672
                                                                                                                                                                                                                 ;
TOPOLOGY: linear
;
MOLECULE TYPE: DNA (genomic)
;
SEQUENCE DESCRIPTION: SEQ ID NO: 874:
US-09-093-972C-874
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REGISTRATION NUMBER: 30,930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-093-972C-944/c
; Sequence 944, Application US/09093972C
; Publication No. US20030087845A1
; GENERAL INFORMATION:
                       TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: 609-409-3035
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1530 GCCCAGCCTCTCCCCGC 1546
                                                                     TELEFAX: 413-254-9245
                                                                                                                                                                     LENGTH: 17 base pairs
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INFORMATION FOR SEQ ID NO: 944:
SEQUENCE CHARACTERISTICS:
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                                                                                             TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 874:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17 GCCCAGCCTGTGCCCGC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Cranbury
STATE: New Jersey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: USA
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US-09-093-972C-874/c
US-09-093-972C-874, Application US/09093972C
; Sequence 874, Application No. US20030087845A1
; Publication No. US20030087845A1
; GENERAL INFORMATION:
APPLICANATION
; TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION
; TITLE OF INVENTION: & TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WITH
BRONCHOCONSTRICTION, ALLERGY(IES) & INFLAMMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                        Sequence 1885, Application US/09780533A
Publication No. US20030060611A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: Chowaira, Bhare
APPLICANT: Chowaira, Bate
TILE REPERENCE: Method and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHBNO, 978-A (400/011)
CURRENT APPLICATION NUMBER: US/09/780,533A
CURRENT FILING DATE: 2001-02-09
PRIOR FILING DATE: 2000-02-11
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Pred. No. 3.3e+02;
0; Mismatches 2; Indels
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COMPUTER: ISM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/093,972C
FILING DATE: 09-Jun-1998
CLASSIFICATION: CUNKNOWN>
PRIOR APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/757,024
FILING DATE: 7-June-1996
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1996
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1996
APPLICATION NUMBER: US 09/016,464
FILING DATE: 7-June-1998
ATTORNEY AGENT INFORMATION:
NUMBER: US 09/016,464
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC. STREET: 7 Clarke Drive CITY: Cranbury
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS: 6679
SOFTWARE: Patentin version 3.0
SEQ ID NO 1885
LENGTH: 17
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COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         il Similarity 88.2
15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Homo sapiens
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Best Local
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US-09-740-332-632

Sequence 632, Application US/09740332

Publication No. US20030125270A1

Publication No. US20030125270A1

GENERAL INFORMATION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relateration File Perengence: RPI 400/003

TITLE OF INVENTION: Hepatitis C Virus Infection

TITLE OF INVENTION: NUMBER: US/09/740,332

CURRENT APPLICATION NUMBER: US/09/740,332

CURRENT FILING DATE: 2001-03-26

NUMBER OF SEQ ID NOS: 9704

SEQ ID NO 632

LENGTH: 17

LENGTH: 17
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i Sequence 2161, Application US/09740332

publication No. US20030125270A1

REMEMBLIAN INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals Inc.

TITLE OF INVENTION: Hepatitis C Virus Infection

TITLE OF INVENTION: Hepatitis C Virus Infection

TITLE REFERENCE: RPI 400/003

CURRENT APPLICATION UNMBER: US/09/740,332

CURRENT FILING DATE: 2001-03-26

SOFTWARE: Patentin version 3.0

SEQ ID NO 2161

LENGTH: 17
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0.8%; Score 13.8; DB 1;
Best Local Similarity 52.9%; Pred. No. 3.3e+02;
Matches 9; Conservative 6; Mismatches 2;
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; Sequence 3012, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1400 TGTGGATGTTGCTTTTG 1416
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APPLICANT: Lawrence Blatt
APPLICANT: Lawrence Blatt
APPLICANT: James McSwiggen
APPLICANT: James McSwiggen
APPLICANT: Bharat Chowrira
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor (PILE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor (CURRENT APPLICATION NUMBER: US/09/827,395A
CURRENT APPLICATION NUMBER: US/09/827,395A
CURRENT FILING DATE: 2001-04-05
PRIOR APPLICATION NUMBER: 60/181,797
PRIOR PILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 2617
SOFTWARE: PatentIn version 3.0
SEQ ID NO 880
                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: BHBB00, 918-A 400/027
FILE REFERENCE: BHBB00, 918-A 400/027
CURRENT APPLICATION NUMBER: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: PatentIn version 3.0
SEQ ID NO 57
LENGTH: 17
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                                                                                                Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 3.3e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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88.2%; Pred. No. 3.3e+02;
iive 0; Mismatches 2; Indels
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; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 944:
US-09-093-972C-944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Sequence 880, Application US/09827395A; Publication No. US20030113891A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                      Sequence 57, Application US/09930423 Publication No. US20030092003A1 GENERAL INFORMATION:
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Matches 15, Conservative
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; ORGANISM: Homo Sapiens
US-09-930-423-57
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; ORGANISM: Homo sapiens
US-09-827-395A-880
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US-09-930-423-57/c
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Sequence 612, Application US/09817879

Publication No. US20030171311A1

Publication No. US20030171311A1

GENERAL INFORMATION:
TITLE OF INVENTION: Braymactic Nucleic Acid Treatment of Diseases or Conditions Relater
TITLE OF INVENTION: Hepatitis C Virus Infection
CURRENT APPLICATION NUMBER: US/09/817,879
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9703
SOFTWARE: Patentin version 3.0
SEQ ID NO 632
LENGTH: 17
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Publication No. US20030171311A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals Inc.

TITLE OF INVENTION: Hepatitis C Virus Infection

CURRENT APPLICATION UNDER: US/09/817,879

CURRENT FILING DATE: 2001-03-26

NUMBER OF EQ ID NOS: 9703

SOFTWARE: PatentIn version 3.0

SEQ ID NO 2161

LENGTH: 17
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0.8%; Score 13.8; DB 1;
Best Local Similarity 47.1%; Pred. No. 3.3e+02;
Matches 8; Conservative 7; Mismatches 2;
                                                                                                                                                       0.8%; Score 13.8; DB 1;
88.2%; Pred. No. 3.3e+02;
tive 0; Mismatches 2;
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FEATURE:
NAME/KEY: misc_feature
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ORGANISM: artificial sequence
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                                                                                                                                                                                                                                                           643 AGCCCCAGGATACCTAC
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                                                                                                                                                         Query Match
Best Local Similarity 88.2
Matches 15; Conservative
          SEQ ID NO 57
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
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US-09-817-879-2161
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APPLICANT: Wor Carlowitz, Ira
APPLICANT: Wor Carlowitz, Ira
APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jim
APPLICANT: Hamblin, Paul
APPLICANT: Hamblin, Paul
APPLICANT: Bilis, Jonathan
TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Inser
TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Inser
TITLE OF INVENTION: MAHBO0-901-A (400/013)
CURRENT APPLICATION WUMBER: US/09/792,818
CURRENT FILING DATE: 2001-02-23
NUMBER OF SEQ ID NOS: 2304
SOFTWARE: Patentin Version 3.0
LENGTH: 17
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate TITLE OF INVENTION: Hepatitis C Virus Infection FILE REFERENCE: RPI 400/003 CURRENT APPLICATION NUMBER: US/09/740,332 CURRENT FILING DATE: 2001-03-26 NUMBER OF SEQ ID NOS: 9704 SEQ ID NOS: 9704 SEQ ID NOS: 9704 SEQ ID NO 3012 LENGTH: 17
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Publication No. US20030143708A1
GENERAL INFORMATION:
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Match of Mand Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: 400/007 (MBHB00-918-A)
CURRENT FADILICANTION: Match of MONER: US/09/745,237A
CURRENT FILING DATE: 2002-04-15
NUMBER OF SEQ ID NOS: 4550
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US-09-740-332-3012
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; Publication No. US20030134806A1
; GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
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                                                                                                                                                                                                                                      TYPE: RNA
ORGANISM: artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 0.8°
Best Local Similarity 88.2°
Matches 15; Conservative
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ORGANISM: Homo sapiens
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Best Local Similarity
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US-09-745-237A-57/c
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US-09-792-818-440/c
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APPLICANT: Targalia, Louis A.
APPLICANT: Targalia, Louis A.
APPLICANT: Topper, Robert I.
APPLICANT: Tepper, Janice A.
APPLICANT: Culpepper, Janice A.
APPLICANT: White, David W.
APPLICANT: White, David W.
TITLE OF INVENTION: THE DIAGNOSIS AND METHODS FOR
TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
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0.8%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 3.3e+02;
Matches 15; Conservative 0; Mismatches 2;
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SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
PRELICATION NUMBER: US/10/079,625
FILING DATE: 2002-FEB-19
PRIOR APPLICATION DATA:
                                                  FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/570,142
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/569,485
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/566,622
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/566,632
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/562,663
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 37-NOV-1995
ATONEY/ABRIT INFORMATION:
REFERENCE/DOCKET NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 35,283
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECHANE: 617-542-6970
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FILING DATE: 28-MAY-1997
APPLICATION NUMBER: 08/708,123
FILING DATE: 03-SED-1996
APPLICATION NUMBER: 08/638,524
FILING DATE: 26-APR-1996
FILING DATE: 22-JAM-13-V
APPLICATION NUMBER: 08/583,153
THING DATE: 28-DEC-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 27, Application US/10079625; Publication No. US20020182676A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   660 CACTACCTGCCCTTCAG 676
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEX: 200154
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ns
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                                                                                                                                                                                      Sequence 3012, Application US/09817879

Publication No. US20030171311A1

GREERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals Inc.

TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate

TITLE OF INVENTION: Hepatitis C Virus Infection

TITLE OF INVENTION: Hepatitis C Virus Infection

TITLE OF INVENTION: Hepatitis C Virus Infection

TITLE OF INVENTION: Hopetitis C Virus Infection

TITLE OF INVENTION: Hopetitis C Virus Infection

TITLE OF INVENTION: Hopetitis C Virus Infection

TITLE OF INVENTION NUMBER: US/09/817,879

CURRENT PILING DATE: 2001-03-26

NUMBER OF SEQ ID NOS: 9703

SOFTWARE: PatentIn version 3.0

SEQ ID NO 3012
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Tartaglia, Louis A.
APPLICANT: Tartaglia, Louis A.
APPLICANT: Tartaglia, Louis A.
APPLICANT: Culpepper, Janice A.
APPLICANT: Culpepper, Janice A.
APPLICANT: White, David W.
TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, TITLE OF INVENTION: INCUDING OBESITY AND CACHEXIA NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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COUNTRY: US
ZIP: O2110-2804
ZIP: O2110-2804
COMPUTER READBLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM COMPALIAble
OPERATING SYSTEM: Windows95
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/079,625
FILING DATE: 200-5FBB-19
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/64,564
FILING DATE: 28-MAY-1997
APPLICATION NUMBER: 08/708,123
FILING DATE: 03-SEP-1996
APPLICATION NUMBER: 08/638,524
FILING DATE: 26-APR-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: oligonucleotide substrate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 464
US-10-079-625-25
; Sequence 25, Application US/10079625
; Publication No. US20020182676A1
; GENERAL INFORMATION:
     689 GAGGCCTCACTTCTTCT 705
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                769 ACCCCATGTTCCAGCCC 785
                                    1 GAUGACUCACUUCUUCU 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: RNA ORGANISM: artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      17 ACGCCATGTTCCGGCTC 1
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                                                                                                                                         RESULT 463
US-09-817-879-3012/c
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Gaps

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Sequence 749, Application US/10060756A

Publication No. US20030046717A1

GENERAL INFORMATION:

APPLICATION SAMPON:

APPLICATION TESTIS EXPRESSED PATCHED LIKE PROTEIN
FILE REFERENCE: PE0177

CURRENT FILING DATE: 2002-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR FILING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663

PRIOR PLING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: US 60/327,898

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: US 60/327,898

PROPARE: Abenica Sequence Listing Engine

SSQ ID NO 749

LENGTH: 17
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Publication No. US20030046717A1

GENERAL INFORMATION:

APPLICANT: Zhang, Jian

TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN

FILE REPRENCE: PBD177

CURRENT APPLICATION NUMBER: US/10/066, 756A

CURRENT FILING DATE: 2002-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30
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88.2%; Pred. No. 3.3e+02;
iive 0; Mismatches 2; Indels
                                       Indels
   88.2%; Pred. No. 3.3e+02; tive 0; Mismatches 2;
                                                                                                       537
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                                                                                                                                                                   1 CAGCGACTCACTGCTGG 17
                                                                                                       521 CATCGACTCCCTGCTGG
Best Local Similarity 88.2
Matches 15; Conservative
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Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                  US-10-060-756A-749
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SEQUENCE 148, Application US/10060756A

Publication No. US20030046717A1

GENERAL INPORMATION:

APPLICANT: Zhang, Jian

TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN

FILE REPERENCE: PB0177

CURRENT FILING DATE: 2002-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR PELICATION NUMBER: PCT/US01/00669

PRIOR PELING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR PLING DATE: 2001-01-30

PRIOR PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30
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                            APPLICATION NUMBER: 08/593,153
APPLICATION NUMBER: 08/593,153
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/570,142
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/569,485
FILING DATE: 10-DEC-1995
APPLICATION NUMBER: 08/566,622
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/562,663
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/562,663
APPLICATION NUMBER: 37-NOV-1995
ATMORIEY/ABORN INFORMATION:
NAME: Meiklejohn, Ph.D., Amita L.
REGISTRATION NUMBER: 35,283
REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 35,283
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO: 2 SEQUENCE CHARACTERISTICS: 1 LENGTH: 17 base pairs TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear MOLECULE TYPE: DNA US-10-079-625-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15; Conservative
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US-10-060-756A-748
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 466
US-10-060-756A-748
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0.8%; Score 13.8; DB 1; Length 17;

Query Match

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Sequence 5948, Application US/10156306

Publication No. US20030119017A1

GENERAL INFORMATION:
GENERAL INFORMATION:
TELL OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
FILE REFERENCE: WHENDER: US/10/156,306

CURRENT APPLICATION NUMBER: US/10/156,306

CURRENT PILION DATE: 2002-05-28

NUMBER OF SEQ ID NOS: 8013
SOFTWARE: Patentin version 3.0

SEQ ID NO 5948
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFUGRATION:

APPLICANT: Blockyne Pharmaceuticals, Inc.

APPLICANT: Lawrence Blatt

APPLICANT: Lawrence Blatt

APPLICANT: Lawrence Blatt

APPLICANT: Banes McSwiggen

APPLICANT: Bhares Chowrira

APPLICANT: Bhares Chowrira

APPLICANT: Bhares Chowrira

APPLICANT: Bhares Chowrira

APPLICANT: Bhares Heberli

TITLE OF INVENTION: Whethod and Reagent for the Inhibition of NOGO Receptor G

FILE REFERENCE: WHENDO-878-H (400/112)

CURRENT APPLICATION NUMBER: US/10/430,882

CURRENT APPLICATION NUMBER: 09/780,533

PRIOR FILING DATE: 2001-02-09

PRIOR FILING DATE: 2001-02-09

PRIOR FILING DATE: 2001-02-09

PRIOR APPLICATION NUMBER: PCT/US01/04273

PRIOR APPLICATION NUMBER: PCT/US02/10512

PRIOR APPLICATION NUMBER: PCT/US02/10512
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0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 70.6%; Pred. No. 3.3e+02;
Matches 12; Conservative 3; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 880, Application US/10430882
Publication No. US20030203870A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1117 CCTTGCTGGAGCAGCTG 1133
                                 697 ACTTCTTCTTCCAAG 713
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                                                               1 ACUUCUGCUGUCCCAAG 17
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Best Local Similarity 52.9
Matches 9; Conservative
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CORGANISM: Homo sapiens
US-10-430-882-880
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-5948
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Publication No. US20030119017A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
CURRENT APPLICATION NUMBER: 105/10/156,306
CURRENT FILING DATE: 2002-05-28
NUMBER OF SEQ ID NOS: 8013
SOFTWARE: PatentIn version 3.0
SEQ ID NO 5069
LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 469
US-10-156-306-2719/c
Sequence 2719, Application US/10156306
Publication No. US2030319017A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
TITLE OF INVENTION UNMBER: US/10/10/50)
CURRENT PILING DATE: 2002-05-28
NUMBER OF SEQ ID NOS: 8013
SOFTWARE: Patentin version 3.0
SEQ ID NO 2719
LENGTH: 17
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88.2%; Pred. No. 3.3e+02;
tive 0; Mismatches 2; Indels
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88.2%; Pred. No. 3.3e+02;
tive 0; Mismatches 2; Indels
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PRIOR APPLICATION NUMBER: US 09/864,761
PRIOR FILING DATE: 2001-05-23
PRIOR PILICATION NUMBER: US 60/327,898
PRIOR FILING DATE: 2001-10-09
NUMBER OF SEQ ID NOS: 4804
SOFTWARE: Aeemica Sequence Listing Engine SEQ ID NO 1238
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Best Local Similarity 88.2°
Matches 15, Conservative
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Best Local Similarity 88.2
Matches 15; Conservative
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Best Local Similarity 58.8
Matches 10; Conservative
                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Homo sapiens
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; ORGANISM: Homo sapiens
US-10-156-306-2719
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; ORGANISM: Homo sapiens
US-10-156-306-5069
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US-10-156-306-5069
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APPLICANT: Meswagen, Jim
APPLICANT: Meswagen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re]
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/287,949A
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 2003-04-11
NUMBER PATENTIN version 3.0
SEQ ID NO 3543
LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: REACO, Pam APPLICANT: MCSWiggen, Jim APPLICANT: Pavoco, Pam APPLICANT: McSwiggen, Jim APPLICANT: Stinchcomb, Dan APPLICANT: Stinchcomb, Dan APPLICANT: Stinchcomb, Dan APPLICANT: Escobedo, Jaime TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rely TITLE OF INVENTION: Method and Reagent for the Treatment of Exceptor FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/287,949A
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: Patentin version 3.0
SEQ ID NO 4182
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Publication No. US20040102413A1

GENERAL INFORMATION:

APPLICANT: Riborate Pharmaceuticals, Inc.

APPLICANT: McSwiggen, Jim

APPLICANT: McSwiggen, Jim

APPLICANT: Stinchcomb, Dan

TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme

FILE REFERENCE: MBHB00-882-C (400/019)

CURRENT FILING DATE: 2003-11-13

FRIOR FILING DATE: 2000-08-31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2; Indels
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Pred. No. 3.3e+02;
4; Mismatches 2;
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US-10-287-949A-4182
; Sequence 4182, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
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Best Local Similarity 64.7%;
Matches 11; Conservative
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Matches 12; Conservative
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; ORGANISM: Mus musculus
US-10-287-949A-3543
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| Publication No. US20040077565A1
| Publication No. US20040077565A1
| GENERAL INFORMATION:
| APPLICANT: Ribozyme Pharmaceuticals, Inc. |
| APPLICANT: McSwiggen, Jim |
| APPLICANT: Stinchcomb, Dan |
| APPLICANT: Stinchcomb, Dan |
| TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re |
| TITLE OF INVENTION: McHabod and Reagent for the Treatment of Diseases or Conditions Re |
| TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor |
| CURRENT PELLING DATE: 2002-05-03 |
| NUMBER OF SEQ ID NOS: 20822 |
| SOFTWARE: PatentIn version 3.0 |
| SEQ ID NO 4182 |
| LENGTH: 17
                                                                                                                                                                                                                                                                                 Sequence 3543, Application US/10138674

Publication No. US20040077565A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: Backwidgen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/138,674
CURRENT APPLICATION NUMBER: 2002-05-03
NUMBER OF SEQ ID NOS: 2002-05
NUMBER OF SEQ ID NOS: 20022

SOFTWARE: Patentin version 3.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 64.7%; Pred. No. 3.3e+02; Matches 11; Conservative 4; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; Sequence 3543, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
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1 CUCCCCCUUGCUGAAGC 17
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US-10-138-674-4182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: RNA
ORGANISM: Mus musculus
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Matches 12; Conserve
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US-10-138-674-4182
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APPLICANT: Pamela, Pavco
APPLICANT: Pamela, Pavco
APPLICANT: Partice, Lee
APPLICANT: Partice, Lee
APPLICANT: Eliaabeth, Roberts
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
TITLE OF INVENTION: VIRUS REPLICATION
TITLE OF INVENTION WHERE: US/10/669,841
CURRENT APPLICATION NUMBER: PCT/US02/09187
PRIOR APPLICATION NUMBER: US 60/296,876
PRIOR FILING DATE: 2001-06-08
                                                                   PRIOR APPLICATION NUMBER: PCT (US02/09187)
PRIOR APPLICATION NUMBER: PCT (US02/09187)
PRIOR FILING DATE: 2002-03-26
PRIOR FILING DATE: 2002-03-26
PRIOR FILING DATE: 2001-10-6-08
PRIOR FILING DATE: 2001-10-24
PRIOR FILING DATE: 2001-10-24
PRIOR FILING DATE: 2001-12-05
PRIOR PLICATION NUMBER: US 60/337,055
PRIOR PLICATION NUMBER: US 60/337,124
PRIOR PLICATION NUMBER: US 60/363,124
PRIOR PLICATION NUMBER: US 60/363,124
PRIOR PLICATION NUMBER: US 60/363,124
PRIOR PLICATION NUMBER: US 09/817,879
PRIOR PLICATION NUMBER: US 09/817,879
PRIOR PLICATION NUMBER: US 09/740,332
PRIOR PLICATION NUMBER: US 09/740,332
PRIOR PLICATION NUMBER: US 09/611,931
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0.8%; Score 13.8; DB 1; Length 17;

Best Local Similarity 47.1%; Pred. No. 3.3e+02;

Matches 8; Conservative 7; Mismatches 2; Indels
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PRIOR FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: US 60/337,055
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 4754, Application US/10669841 Publication No. US20040127446A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Sirna Therapeutics, Inc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1400 TGTGGATGTTGCTTTTG 1416
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ORGANISM: Artificial Sequence
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James, McSwiggen
David, Morrissey
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APPLICANT: Kenneth, Draper
APPLICANT: Elisabeth, Roberts
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITLE OF INVENTION: VIRUS REPLICATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-712-672-1193
(Sequence 1193)
(Seneral INFORMATION: US20040102413A1)
(GENERAL INFORMATION: Rebarrate Pharmaceuticals, Inc.)
(APPLICANT: Ribozyme Pharmaceuticals, Inc.)
(APPLICANT: Ribozyme Pharmaceuticals, Inc.)
(APPLICANT: Stinchcomb, Dan.)
(TILE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme)
(TILE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme)
(TURENT PILING DATE: 2000-08-31-13)
(CURRENT FILING DATE: 2000-08-31-13)
(PRIOR APPLICATION NUMBER: 60/150,713)
(PRIOR PILING DATE: 2000-04-14)
(PRIOR FILING DATE: 1999-08-31)
(NUMBER OF SEQ ID NOS: 5586)
(SOFTWARE: PatentIn version 3.0)
(SEQ ID NO 1193)
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                                                                                                                                                                                                                                                                                                                                                                                             Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 3.3e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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Publication No. US20040127446A1
GENERAL INFORMATION:
APPLICANT: Lawrence, Blatt
APPLICANT: Dennis, Macejak
APPLICANT: James, McSwiggen
APPLICANT: David, Morrissey
; PRIOR APPLICATION NUMBER: 60/197,769
; PRIOR FILING DATE: 2000-04-14
; PRIOR PILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 5586
; SCOFTWARE: Patentin version 3.0
; SEQ ID NO 564
; LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1321 GGAAGAACCCTAAATTT 1337
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Best Local Similarity 70.6
Matches 12; Conservative
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                                                                                                                                                                                                                                                                   TYPE: RNA
ORGANISM: Homo sapiens
US-10-712-672-564
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; ORGANISM: Homo sapiens
US-10-712-672-1193
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APPLICANT:
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APPLICANT:
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Sequence 1995, Application US/10723361

Sequence 1995, Application US/10723361

Sequence 1995, Application No. US20040137899A1

GENERAL INFORMATION:

APPLICANT: GU, Yizhong

APPLICANT: HANZEL, David R.

APPLICANT: CHEN, Weneheng

APPLICANT: CHEN, Weneheng

APPLICANT: CHEN, Weneheng

APPLICANT: CHEN, DAVIE 2001-11-26

FRIOR APPLICATION UNMER: US 60/207, 456

FRIOR APPLICATION UNMER: US 60/207, 456

FRIOR FILING DATE: 2000-10-20

FRIOR APPLICATION UNMER: PCT/US01/00666

FRIOR APPLICATION UNMER: PCT/US01/00666

FRIOR APPLICATION UNMER: PCT/US01/00669

FRIOR APPLICATION UNMER: PCT/US01/00669

FRIOR FILING DATE: 2001-01-30

FRIOR PLILING DATE: 2001-01-30
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         PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: US 09/504,321
PRIOR FILING DATE: 2000-02-15
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 16207
SSETWARE: Patentin version 3.0
SEQ ID NO 5605
LENGTH: 17
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SOFTWARE: Acomica Sequence Listing Engine SEQ ID NO 1895
LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
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Best Local Similarity 88.2%; Pred. No. 3.3e+02;
Matches 15; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
NAME/KEY: misc_feature
NOCATION:
OTHER INFORMATION: oligonucleotide substrate
US-10-669-841-5605
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; ORGANISM: Homo sapiens
US-10-723-361-1895
                                                                                                                                                                                                                                                                                                                                                                         TYPE: RNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
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APPLICANT: Partice, Lee
APPLICANT: Patrice, Lee
APPLICANT: Patrice, Lee
APPLICANT: Renacth, Draber
APPLICANT: Draber
APPLICANT: 2003-09-23
PRIOR PAPLICATION NUMBER: US 60/296,876
PRIOR PLING DATE: 2001-06-08
PRIOR PLING DATE: 2001-10-24
PRIOR PLING DATE: 2001-10-24
PRIOR PLING DATE: 2001-10-24
PRIOR PLING DATE: 2001-10-24
PRIOR PLING DATE: 2002-03-1
PRIOR PLING DATE: 2002-03-3
PRIOR PLING DATE: 2002-03-1
PRIOR PRING DATE: 2002-03-1
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PRIOR PELICATION NUMBER: US 60/358,580
PRIOR PELICATION NUMBER: US 60/358,580
PRIOR PELING DATE: 2002-02-12
PRIOR PELING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PLING DATE: 2001-03-26
PRIOR PLING DATE: 2001-03-26
PRIOR PLING DATE: 2000-07-07
PRIOR PLING DATE: 2000-07-07
PRIOR PELING DATE: 2000-02-15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-10-669-841-4754
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 5605, Application US/10669841 Publication No. US20040127446A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: Lawrence, Blatt
APPLICANT: Dennis, Macejak
APPLICANT: James, McSwiggen
APPLICANT: David, Morrissey
APPLICANT: Pamela, Pavco
APPLICANT: Patrice, Lee
APPLICANT: Kenneth, Draper
APPLICANT: Kenneth, Draper
APPLICANT: Elisabeth, Roberts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  689 GAGGCCTCACTTCTT 705
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GAUGACUCACUUCUUCU 17
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Best Local Similarity 52.9°
Matches 9; Conservative
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: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
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Sequence 7485, Application US/10723361

Publication No. US20040137589A1

GENERAL INFORMATION:

APPLICANT: US, Yonggang
APPLICANT: HANZEL, David K.

APPLICANT: HANZEL, David K.

APPLICANT: CHEN, Menshang
APPLICANT: CHEN, Menshang
APPLICANT: HANZEL, David R.

APPLICANT: CHEN, Menshang
APPLICANT: HANZEL, David R.

APPLICANT: HANZEL, David R.

APPLICANT: HANZEL, David R.

APPLICANT: HANZEL, David R.

APPLICANT: CHEN, Menshang
APPLICANT: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN

FILE REFERENCE: PB0105

CURRENT APPLICATION NUMBER: US/10/723,361

CURRENT APPLICATION NUMBER: US 60/207,456

PRIOR PILING DATE: 2000-10-3

PRIOR FILING DATE: 2000-10-3

PRIOR FILING DATE: 2000-10-30

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30
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               TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY, TITLE NEFERENCE: P80105
CURRENT PEDIGOS.
CURRENT PEDIGOS.
CURRENT PELING DATE: 2003-11-26
PRIOR PELICATION NUMBER: US 09/866,108
PRIOR PELICATION NUMBER: US 09/866,108
PRIOR PELICATION NUMBER: US 60/207,456
PRIOR PELICATION NUMBER: US 60/207,456
PRIOR PELICATION NUMBER: US 60/207,666
PRIOR PELICATION NUMBER: US 60/207,666
PRIOR PELICATION NUMBER: PCT/US01/00666
PRIOR PELING DATE: 2001-01-03
PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2010-01-30
PRIOR PELING DATE: 2010-01-30
PRIOR PELING DATE: 2010-01-30
PRIOR PELING DATE
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Best Local Similarity 88.27
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US-10-723-361-7485/c
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                                                                                                                                                                                                                                                                                                                                                               Sequence 2643.437
Sequence 2643.437
Sequence 2643.437
Publication No. US20040137589A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David K.
APPLICANT: SHANNON, Wark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
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                                       Gaps
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NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Acomica Sequence Listing Engine
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88.2%; Pred. No. 3.3e+02;
tive 0; Mismatches 2; Indels
88.2%; Fred. No. 3.3e+02;
tive 0; Mismatches 2; Indels
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CURRENT APPLICATION NUMBER: US/10/723,361

CURRENT PILING DATE: 2003-11-26

PRIOR FILING DATE: 2003-11-26

PRIOR FILING DATE: 2001-05-25

PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-06-26

PRIOR PILING DATE: 2000-06-36

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR PRILING DATE: 2001-01-30

PRIOR PRILING DATE: 2001-01-30

PRIOR PRILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR APPLICATION NUMBER: PCT/US01/00665
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Publication No. US20040137589A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
                                                                                                          93 GAGAGTGGGCAGGTCCT 109
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                                   15; Conservative
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Best Local Similarity 88.2
Matches 15; Conservative
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; ORGANISM: Homo sapiens
US-10-723-361-2643
Best Local Similarity
                                                                                                                                                                                                                                                                                                    RESULT 483
US-10-723-361-2643/c
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US-10-723-361-7355
                                       Matches
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APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
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88.2%; Pred. No. 3.3e+02;
tive 0; Mismatches 2;
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; Publication No. US20040137589A1
; GENERAL INFORMATION:
              292 AGGATGCCCTAAATGAG 308
                                              1 AGGATGACCTGAATGAG 17
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Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
CORGANISM: Homo sapiens
US-10-723-361-8660
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US-10-723-361-8661
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Sequence 8568, Application US/10723361
Sequence 8568, Application US/10723361
Sequence 8568, Application US/200401378991
Sequence 8568, Application US/200401378991
Septicant Office William US/200401378991
APPLICANT BRAW Sharron G
APPLICANT RAWE David K.
APPLICANT CHEN, Wensheng
APPLICANT CHEN, Wensheng
APPLICANT CHEN, Wensheng
APPLICANT SHANON WASHER US/10/723,361
CURRENT PILING DATE: 2001-11-26
PRICE PRICATION WINGER: US/20/3-11-26
PRICE PLING DATE: 2000-00-24
PRICE PLING DATE: 2000-00-24
PRICE PLING DATE: 2000-00-34
PRICE PLING DATE: 2000-00-34
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PRICE PLING DATE: 2001-01-04
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PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Aeemica Sequence Listing Engine
LENGTH: 17
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                                                                                                                                                                                                                                                                                                                                                           Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 3.3e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                TYPE: DNA
CORGANISM: Homo sapiens
US-10-723-361-7485
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: Homo sapiens
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Sequence 8664, Application US/10723361
Sequence 8664, Application US/10723361
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: HANDEL, David K.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: SHANNON, Wark
ITILE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00668
PRIOR FILING DATE: 2001-01-30
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 15755
SOFFWARE: Aeomica Sequence Listing Engine
SEQ ID NO 8663
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                - See File Wrapper or PALM.
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Pred. No. 3.3e+02;
0; Mismatches 2;
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CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2001-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR PLING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2001-01-30
PRIOR P
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Best Local Similarity 88.4x
Best Local Similarity 88.4x
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Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                       TYPE: DNA
ORGANISM: Homo sapiens
US-10-723-361-8663
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CORGANISM: Homo sapiens
US-10-723-361-8664
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APPLICANT: GU, Yoggang
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
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PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2001-01-30
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88.2%; Pred. No. 3.3e+02;
tive 0; Mismatches 2; Indels
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CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR PILING DATE: 2001-05-25
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PPLICATION NUMBER: US 60/207,456
PRIOR PPLICATION NUMBER: US 60/207,456
PRIOR PPLICATION NUMBER: US 60/236,359
PRIOR PLING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
       CURRENT APPLICATION NUMBER: US/10/723,361
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APPLICATION NUMBER: PCT/US01/00669
FILING DATE: 2001-01-30
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Best Local Similarity 88.2
Matches 15, Conservative
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CORGANISM: Homo sapiens
US-10-723-361-8661
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US-1U-723-361-9689/C

Sequence 5689, Application US/10723361

Sequence 5689, Application US/10723361

Sublication No. US2040137589A1

GENERAL INFORMATION:

APPLICANT: GU, Yizhong

APPLICANT: HANZEL, David R.

APPLICANT: RANK, David R.

APPLICANT: GEN, Wenabeneng

APPLICANTON HUMBER: US/10/723,361

CURRENT APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-10-04

PRIOR FILING DATE: 2000-10-04

PRIOR PILING DATE: 2000-10-130

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR PILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR APPLICANTON NUMBER: PCT/US01/00667

PRIOR APPLICANTON NUMBER: PCT/US01/00667

PRIOR APPLICANTON NUMBER: PCT/US01/00669

PRIOR APPLICANTON NUMBER: PCT/US01/00669

PRIOR PLING DATE: 2001-01-30

PRIOR PR
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                                                                 FRIOR APPLICATION NUMBER: 08 24263.6

PRIOR FILING DATE: 2000-10-04

PRIOR PILING DATE: 2000-10-04

PRIOR PILING DATE: 2000-09-27

PRIOR PILING DATE: 2000-09-27

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR PELING DATE: 2001-01-30

PRIOR PELING DATE: 2001-01-30

PRIOR PELING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR PELING DATE: 2001-01-30

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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/USO1/00665
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/USO1/00668
FILING DATE: 2001-01-30
PLICATION NUMBER: US 60/207,456
                                   FILING DATE: 2000-05-26
APPLICATION NUMBER: GB 24263.6
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US-10-723-361-9688
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SERERAL INFORMATION:

APPLICANT: 11 Youngang

APPLICANT: 51 Yikhong

APPLICANT: 61 Yikhong

APPLICANT: 6
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Fublication No. US20040137589A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: GI, Yinhong
APPLICANT: HENN, Sharron G.
APPLICANT: HANZEL, David R.
APPLICANT: HANZEL, David R.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN FILE REFERENCE: PB0105
CURRENT APPLICATION UNMBER: US/10/723,361
CURRENT APPLICATION NUMBER: US 09/866,108
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                                                                                                                    Sequence 9687, Application US/10723361
Publication No. US20040137589A1
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; ORGANISM: Homo sapiens
US-10-723-361-9687
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Best Local Similarity
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TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
FILE REFERENCE: PB0177
CURRENT APPLICATION NUMBER: US/10/890,776A
CURRENT FILING DATE: 2004-07-14
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR PLING DATE: 2001-01-30
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Publication No. US20050129683A1
CENERAL INFORMATION:
APPLICANT: Zhang, Jian
TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
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18.2%; Pred. No. 3.3e+02;
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88.2%; Pred. No. 3.3e+02;
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   PRIOR APPLICATION NUMBER: US 09/864,761
PRIOR FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/327,898
PRIOR FILING DATE: 2001-10-09
NUMBER OF SEQ ID NOS: 4809
SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 748
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Best Local Similarity 88.23
Matches 15; Conservative
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Best Local Similarity 88.2
Matches 15; Conservative
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ORGANISM: Homo sapiens
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US-10-890-776A-749
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TITLE OF INVENTION: COMPOSITION, FORMULATION & METHOD FOR PREVENTION & TREATMENT OF D
TITLE OF INVENTION: COMPOSITION, FORMULATION & METHOD FOR PREVENTION ALLERGY(IES)
TITLE OF INVENTION: INFLAMMATION
TITLE OF INVENTION: INFLAMMATION
FILE REFERENCE: 30775-706.301
CURRENT APPLICATION NUMBER: US/10/758,451
CURRENT FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: 09/093,972
PRIOR FILING DATE: 1998-06-09
NUMBER OF SEQ ID NOS: 996
SOFTWARE: PAGENTIN VEFEION 3.1
SEQ ID NOS: 994
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Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 15755 SOFTWARE: Acomica Sequence Listing Engine SEQ ID NO 9689 LENGTH: 17
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APPLICANT: Zhang, Jian
TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
FILE REPERENCE: PB0177
CURRENT APPLICATION NUMBER: US/10/890,776A
CURRENT FILING DATE: 2004-07-14
PRIOR PILING DATE: 2002-01-30
PRIOR FILING DATE: 2002-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PLICATION NUMBER: PCT/US01/00665
PRIOR PLICATION NUMBER: PCT/US01/00665
PRIOR PLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
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Pred. No. 3.3e+02;
0; Mismatches 2; Indels
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; Sequence 944, Application US/10758451
; Publication No. US20050014711A1
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; ORGANISM: Homo sapiens
US-10-723-361-9689
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; ORGANISM: Homo sapiens
US-10-758-451-944
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ACCESSION: CO786622 ACCESSION: CO786631 ACCESSION: CO786631 ACCESSION: CO786632 ACCESSION: CO786634 ACCESSION: CO786634 ACCESSION: CO786647 ACCESSION: CO786647 ACCESSION: CO786649 ACCESSION: CO786649 ACCESSION: CO786649 ACCESSION: CO786649	ACCESSION: CQ786651 ACCESSION: CQ786652 ACCESSION: AC28620 ACCESSION: BD230318 ACCESSION: AR531219 ACCESSION: AR531219 ACCESSION: AR531220 ACCESSION: AR531220 ACCESSION: AC531220	ACCESSION: AXO 97245 ACCESSION: AXO 97246 ACCESSION: CQ8 03454 ACCESSION: AR2 08715 ACCESSION: AR2 08716 ACCESSION: AR2 08716 ACCESSION: AR2 08719 ACCESSION: AR2 08719 ACCESSION: AR2 08729 ACCESSION: AR2 08724 ACCESSION: AR2 08725 ACCESSION: AR2 08724 ACCESSION: AR2 08724 ACCESSION: AR2 08724	ACCESSION: AR208728 ACCESSION: AR208729 ACCESSION: AR208731 ACCESSION: AR208731 ACCESSION: AR208734 ACCESSION: AR208734 ACCESSION: AR208735 ACCESSION: AR208739 ACCESSION: AR208739 ACCESSION: AR208740 ACCESSION: AR208740 ACCESSION: AR208741 ACCESSION: AR208741 ACCESSION: AR208741 ACCESSION: AR208741 ACCESSION: AR208741 ACCESSION: AR208741 ACCESSION: AR208745 ACCESSION: AR208746 ACCESSION: AR208746 ACCESSION: AR208746 ACCESSION: AR208750 ACCESSION: AR208750 ACCESSION: AR208750 ACCESSION: AR208750 ACCESSION: AR208750 ACCESSION: AR208751
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GenCore version (c) 1993 - 2005 h, using sw model 13, 2005, 10:39:5		<pre>leg length: 8 leg length: 50 iing: Minimum Match 00\$ Maximum Match 100\$ Listing first 298 summaries rgedb:* No. is the number of results predicted by greater than or equal to the score of the i derived by analysis of the total score di SUMMARIES re Query re Match Length DB ID</pre>	1.7 32 18.20.0627 1.6 26 1 AR197662 1.5 25 1 AR299816 1.5 25 1 AR299816 1.4 23 1 CQ786175 1.4 23 1 CQ786175 1.4 23 1 CQ786175 1.3 21 1 CQ786117 1.3 21 1 CQ786617 1.3 21 1 CQ786617 1.3 21 1 CQ786618 1.3 21 1 CQ786618
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ACCESSION: ARA 66360 ACCESSION: ARA 66361 ACCESSION: AXA 688718 ACCESSION: AXA 688718 ACCESSION: AXA 688718 ACCESSION: AXA 688720 ACCESSION: AXA 688718 ACCESSION: AXA 670623 ACCESSION: AXA 670623 ACCESSION: AXA 670619 ACCESSION: AXA 670619 ACCESSION: AXA 670619 ACCESSION: AXA 67081755 ACCESSION: AXA 67081755 ACCESSION: AXA 67081755 ACCESSION: AXA 67087 ACCESSION: AXA 75287 ACCESSION: AXA 75287 ACCESSION: AXA 75287 ACCESSION: AXA 75287 ACCESSION: AXA 75290 ACCESSION: AXA 75291 ACCESSION: AXA 75290 ACCESSION: AXA 75291 ACCESSION:
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Chenchik, A., Jokhadze, G. and Bibilashvilli, R.
Methods of assaying differential expression
Patent: US 6352829-A 747 05-MAR-2002;
Location/Qualifiers
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                                               GACAATGAGCTGCAGGAGATGTCCAACCAGGG 32
 Pred. No. 8.1;
0; Mismatches
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Sequence 747 from patent US 5994076.
AR090627 GI:10017382
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Sequence 747 from patent US 6352829.
AR197662.1 GI:20247511
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Sequence 747 from patent US 6489455.
AR259816 GI:27310327
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/organism="unknown"
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90.68;
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Best Local Similarity 100.
Matches 26, Conservative
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Best Local Similarity 100.
Matches 26; Conservative
Best Local Similarity 90.6
Matches 29; Conservative
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AR259816
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AR090627
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ACCESSION: CQ786338
ACCESSION: AR196058
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ACCESSION: AR488739
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ACCESSION: BD084993
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/organiam="synthetic construct"
/mol_typo="unassigned DNA"
/db_xref="taxon:32630"
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synthetic construct
other sequences; artificial sequences.
1 (bases 1 to 32)
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Patent: WO 9105043-A 1 18-AFR-1991;
Location/Qualifiers
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A21575
A21575.1 GI:583580
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PAT 20-DEC-2002

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Jansen, B., Gleave, M.E., Signaevsky, M., Beraldi, E., Trougakos, I. and
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Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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1.4%; Score 23; DB 1; Length 23;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 23; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                              (Jases 1 to 25)
Chenchik, A., Jokhadze, G. and Bibilashvilli, R.
Methods of assaying differential expression
Patent: US 6489455-A 748 03-DEC-2002;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                          DB 1;
.8.2;
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Sequence 60 from Patent W02004018676.
CQ786172 GI:45721275
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Sequence 57 from Patent WO2004018676.
CQ786169.1 GI:45721272
                                                25 bp Di
Sequence 748 from patent US 6489455.
AR259817
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    .23
    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

    .25
    /organism="unknown"
    /mol_type="genomic DNA"

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Unclassified.
E 1 (bases 1 to 25)
S Chenchik, A., Jokhadze, G. and Bibilashvilli, R.
Achends of assaying differential expression
AL Patent: US 5994076-A 748 30-NOV-1999;
Location/Qualifiers
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1 (bases 1 to 25)
Chenchik,A., Jokhadze,G. and Bibilashvilli,R. Methods of assaying differential expression
Patent: US 6352829-A 748 05-MAR-2002;
Location/Qualifiers
Unclassified.

1 (bases 1 to 26)
Chenchik,A., Jokhadze,G. and Bibilashvilli,R. Methods of assaying differential expression Patent: US 6489455-A 747 03-DEC-2002;
Location/Qualifiers
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100.0%; Pred. No. 8.2;
iive 0; Mismatches
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Sequence 748 from patent US 6352829.
AR197663.1 GI:20247512
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Seguence 748 from patent US 5994076.
AR090628
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1.6%; Score 26; DB
Best Local Similarity 100.0%; Pred. No. 6.5
Matches 26; Conservative 0; Mismatches
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/organism="unknown"
/mol_type="unassigned DNA"
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                                                                                                       /organism="unknown"
/mol_type="genomic DNA"
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Miller,W.L., Lin,D. and Strauss,J.F. III.
Identification of gene mutations associated with congenital lipoid adrenal hyperplasia.
Patent: US 5807678-A 21 15-SEP-1998;
Location/Qualifiers
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 5 07-MAY-2002;
Location/Qualifiers
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1.4%; Score 23; DB 1;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 23; Conservative 0; Mismatches
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Sequence 1 from Patent WO2004018676.
/mol_type="unassigned DNA" /db_xref="taxon:9606"
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/organism="unknown"
/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
                                                                                                                                                                                                                                                                 AR208706 23 bp
Sequence 5 from patent US 6383808.
AR208706 1 GI:21509931
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                                                                                                                                  46 GCATGATGAAGACTCTGCTG 68
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                   Jansen, B., Gleave, M.E., Signaevsky, M., Beraldi, E., Trougakos, I. and
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Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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                                                       Rnai probes targeting cancer-related proteins
Patent: WO 200401867-6. 60 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Patent: WO 2004018676-A 63 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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The University of British Columbia (CA)
Location/Qualifiers
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Matches 23; Conservative 0; Mismatches
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Sequence 63 from Patent WO2004018676.
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CQ786175.1 GI:45721278
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Jansen, B., Gleave, M.E., Signaevsky, M., Beraldi, E., Trougakos, I. and
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Patent: WO 2004018676-A 4 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
Rnai probes targeting cancer-related proteins
Patent: WO 2004018676-A 3 04-MAR-2004;
The University of British Columbia (CA)
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Sequence 5 from Patent WO2004018676.
CQ786117.1 GI:45721220
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Gonos, E.
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Rnai probes targeting cancer-related proteins
Patent: WO 2004018676-A 1 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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| bxref="taxon:32630"
| nore="RNA" for human clusterin"
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Sequence 3 from Patent WO2004018676.
CQ786115. GI:45721218
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CQ786113.1 GI:45721216
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CQ786115
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Rnai probes targeting cancer-related proteins
Patent: WO 2004018676-A 59 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Patent: WO 200401867-6-A 61 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Sequence 61 from Patent WO2004018676.
CQ786173
                                 CQ786171 21 bp DNA Sequence 59 from Patent WO2004018676.
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Sequence 62 from Patent W02004018676.
CQ786174 GI:45721277
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CQ786171.1 GI:45721274
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Patent: WO 2004018676-A 6 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Rnai probes targeting cancer-related proteins
Parent: WO 2004018676-A 58 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Sequence 58 from Patent WO2004018676.
CQ786170.1 GI:45721273
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Best Local Similarity 100.
Matches 21; Conservative
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PAT 24-MAR-2004

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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Treatment of melanoma by reduction in clusterin levels
Patent: WO 2004018675-A 4 04-MAR-2004;
Patent: WO 2014018675-A Columbia (CA); Gleave, Martin E. (CA)
Location/Qualifiers
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ive 0; Mismatches 0; Indels
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Matches 21; Conservative 0; Mismatches 0; Indels
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/note="RNA1 for human clusterin"
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Sequence 4 from Patent WO2004018675.
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Sequence 3 from Patent WO2004018675.
CQ786614
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Best Local Similarity 100.0%; Pred. No. 20;
Matches 21; Conservative 0; Mismatches 0; Indels
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Rhai probes targeting cancer-related proteins
Rhai probes targeting cancer-related proteins
The University of British Columbia (CA)
Location/Qualifiers
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Rhai probes targeting cancer-related proteins
Patent: WO 2004018676-A 64 04 MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
                                                                             Commons E.
Rnai probes targeting cancer-related proteins
Rnai probes targeting cancer-related proteins
Patent: WO 2004018676-A 62 04 MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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/db_xref="taxon:32630"
/note="RNAi for human clusterin"
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100.0%; Pred. No. 20;
tive 0; Mismatches
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Sequence 64 from Patent WO2004018676.
CQ786176
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other sequences; artificial sequences.
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                                     Eukaryota; Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Treatment of melanoma by reduction in clusterin levels
Patent: WO 2004018675-A 8 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E. (CA)
Location/Qualifiers
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Treatment of melanoma by reduction in clusterin levels
Patent: WO 2004018675-A 9 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E. (CA)
Location/Qualifiers
                                                                                           Jansen, B.

Treatment of melanoma by reduction in clusterin levels
Patent: WO 2004018675-A 7 04-WAR-2004;
The University of British Columbia (CA); Gleave, Martin E.
Location/Qualifiers
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Sequence 8 from Patent WO2004018675.
CQ786619. GI:45721639
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Seguence 9 from Patent WO2004018675.
CQ786620
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    .21
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Patent: Wo 2004018675-A 5 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E.
Location/Qualifiers
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Treatment of melanoma by reduction in clusterin levels
Patent: WO 2004018675-A 6 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E.
Location/Qualifiers
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Sequence 5 from Patent WO2004018675.
CQ786616.1 GI:45721636
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Sequence 7 from Patent W02004018675.
CQ786618.1 GI:45721638
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21 GACCAGACGGTCTCAGACAAT 1
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CQ786617.1 GI:45721637
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Homo sapiens
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Best Local Similarity
Matches 21; Conserv
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DEFINITION ACCESSION VERSION KEYWORDS

CQ786617/c

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RESULT 29

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/mol type="unassigned DNA"
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100.0%; Pred. No. 20;
ative 0; Mismatches
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                                                          CQ786623 21 bp DNA Sequence 12 from Patent WO2004018675.
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CQ786632/c
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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CQ786622/c
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Patent: WO 2004018675-A 23 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E. (CA)
Location/Qualifiers
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Patent: WO 2004018675-A 21 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E. (CA)
Location/Qualifiers
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol type="unassigned DNA"
b xref="taxon:32630"
/noce="RNA; for human clusterin"
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/organism="synthetic construct"
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/db_xref="taxon:32630"
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Patent: WO 2004018675-A 36 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E. (CA)
Location/Qualifiers
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Treatment of melanoma by reduction in clusterin levels
Patent: WO 2004018675-A 25 04-WAR-2004;
The University of British Columbia (CA); Gleave, Martin E.
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1.3%; Score 21; DB 1;
Best Local Similarity 100.0%; Pred. No. 20;
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Sequence 36 from Patent WO2004018675.
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CQ786652/c
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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 20;
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/organism="gynthetic construct"
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Sequence 38 from Patent WO2004018675.
CQ786649
                                CQ786648 21 bp DNA
Sequence 37 from Patent WO2004018675.
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Sequence 39 from Patent WO2004018675.
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Treatment of melanoma by reduction in clusterin levels Patent: WO 2004018675-A 39 04-MAR-2004; The University of British Columbia (CA); Gleave, Martin E. (CA) Location/Qualifiers
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Treatment of melanoma by reduction in clusterin levels
Patent: WO 2004018675-A 40 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E.
Location/Qualifiers
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1larity 100.0%; Pred. No. 20;
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/hdb xref="taxon:32630"
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| mol type="unassigned DNA"
| cref="texton:32630" |
| note="RNA! for human clusterin"
                                                                                                       1. .21
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/mol_type="unassigned DNA"
/do xref="taxon:32630"
/noTe="RNAi for human clusterin"
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synthetic construct
other sequences; artificial sequences.
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other sequences; artificial sequences.
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Sequence 41 from Patent WO2004018675.
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21 AAGTCCCGCATCGTCCGCAGC 1
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Best Local Similarity 100.
Matches 21; Conservative
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Canis familiaris (dog)

Bukaryora; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;

Bukaryora; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;

Mammalia; Butheria; Carnivora; Fissipedia; Canidae; Canis.

1 (bases 1 to 24)

2 (alibert.F. and Andre, C.

Total genome radiation hybrid map of canine genome and its use for identification of interesting genes

1 (bases 1 to 24)

2 Calibert.F. and Andre, C.

Total genome radiation hybrid map of canine genome and its use for identification of interesting genes

1 Detent: JP 2002530091-A 187 17-SEP-2002;

CANTER NATIONAL DE LA RECHERCHE SCIENTIFIQUE

OS Canis familiaris (dog)

PP 15-NOV-1999 JP 2000582596

PP 15-NOV-1999 US 60/108193

PR 13-NOV-1999 US 60/108193

PR 13-NOV-1999 US 60/108193

PR 13-NOV-1999 US 60/108193

PR 13-NOV-1999 US 61/10815/00

CC A0133

FR Key

Location/Qualifiers

FT source

//organism=-Canis familiaris (dog)'.
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Lander, E.S., Cargill, M., Ireland, J.S., Bolk, S., Daley, G.Q. and
McCarthy, J.J.
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Patent: US 6727063-A 2421 27-APR-2004;
Location/Qualifiers
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AR531218 AR531218.1 GI:53919655
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    .24
    /organism="Canis familiaris"
/mol_type="genomic DNA"
    /db_xref="taxon:9615"

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/organism="unknown"
/mol_type="genomic DNA"
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Best Local Similarity
Matches 20; Conserva
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Unclassified.
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AR531218
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BD230318
BD230318.1 GI:33040088
JP 2002530091-A/187.
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Millia,A.J.T.
Compositions and methods for altering cell migration
Patent: 18 6464975-A 14 15-0CT-2002;
Location/Qualifiers
       1.3%; Score 21; DB 1; Length 21;
100.0%; Pred. No. 20;
tive 0; Mismatches 0; Indels
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Unknown.
Unclassified.

S (bases 1 to 21)

Monia,B.P. and Freier,S.M.
Antiesnse inhibition of clusterin expression
Antiesnse inhibition of clusterin expression
Antiesnse inhibition of 10002;
Location/Qualifiers
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Sequence 14 from patent US 6464975.
AR236282.1 GI:27280110
                                                                                                                                                                                             Sequence 6 from patent US 6383808.
AR208707
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /organism="unknown"
/mol_type="genomic DNA"
                                                                         1613 AACTAATTCAATAAAACTGTC 1633
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                       Best Local Similarity 100.
Matches 21; Conservative
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         Query Match
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BD230318
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PAT 30-MAR-2001
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                           Lander, E.S., Gargill, M., Ireland, J.S., Bolk, S., Daley, G.Q. and Mccarthy, J.J.
Single nucleotide polymorphisms in genes
Patent: WO 0118250-A 2421 15-MAR-2001;
WHITEHEAD INSTITUTE FOR BIOWEDICAL RESEARCH (US); Millennium
Pharmaceuticals, Inc. (US)
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Single nuclectide polymorphisms in genes
Patent: WO 018250-A 2422 15-WAR-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US); Millennium
Pharmaceuticals, Inc. (US)
Location/Qualifiers
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Sequence 2422 from Patent WO0118250.
AX097244
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/db_xref="taxon:9606"
                                                                                                                      21 bp D1
Sequence 2421 from Patent WO0118250.
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1 Similarity 95.2%; Pred. No. 23;
20; Conservative 1; Mismatches
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/db_xref="taxon:9606"
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/organism="Homo sapiens"
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AX097243.1 GI:13513638
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Matches 20; Conserv
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JOURNAL
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AUTHORS
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JOURNAL
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AX097243
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Unclassified.
Unclassified.
1 (bases 1 to 21)
Lander,E.S., Cargill,M., Ireland,J.S., Bolk,S., Daley,G.Q. and Lander,E.S., Cargill,M., Ireland,J.S., Bolk,S., Daley,G.Q. and NcCarthyJ.J.
Single nucleotide polymorphisms in genes
Patent: US 6727063-A 2424 27-APR-2004;
Location/Qualifiers
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1 (bases 1 to 21)
Lander, E.S., Cargill, M., Ireland, J.S., Bolk, S., Daley, G.Q. and McCarkly, J.J.
Single nucleotide polymorphisms in genes
Patent: US 6727063-A 2423 27-APR-2004;
Location/Qualifiers
Unknown.
Unclassified.
Unclassified.
1 (bases 1 to 21)
Lander,E.S., Cargill,M., Ireland,J.S., Bolk,S., Daley,G.Q. and McCarthy,J.J.
Single nucleotide polymorphisms in genes
Patent: US 6727063-A 2422 27-APR-2004;
Location/Qualifiers
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1.3%; Score 20.6; DB 1; Length 21;
Best Local Similarity 95.2%; Pred. No. 23;
Matches 20; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                           Query Match
1.3%; Score 20.6; DB 1; Length 21;
Best Local Similarity 95.2%; Pred. No. 23;
Matches 20; Conservative 1; Mismatches 0; Indels
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Sequence 2424 from patent US 6727063.
AR531221

    .21
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/organism="unknown"
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/organism="unknown"
/mol_type="genomic DNA"
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Best Local Similarity 95.2
Matches 20; Conservative
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Unclassified.
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PAT 10-MAY-2004
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                                                                    Microarrays allowing molecular profiling of rheumatoid arthritis comparatively to osteoarthritis andtheir use Patent: WO 2004038827-A 5 29-APR-2004; INSERM, The French Institute of Health and Medical Resear ch (FR); L'ENERGIE PUBLIQUE - HOPITAUX DE PARIS (FR); COMMISSARIAT A L'ENERGIE ATOMIQUE (FR)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ereban,M., Gidrol,X., Marion,S. and Chiocchia,G.
Microarrays allowing molecular profiling of rheumatoid arthritis
comparatively to osteoarthritis andtheir use
Patent: WO 2004035827-A 6 29-APR-2004;
INSERM, The French Institute of Health and Medical Resear ch (FR);
ASSISTANCE PUBLIQUE - HOPITAUX DE PARIS (FR);
L'ENERGIE ATOMIQUE (FR)
L'ENERGIE ATOMIQUE (FR)
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches 0; Indels
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches
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Sequence 6 from Patent WO2004035827.
CQ803454
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Sequence 14 from patent US 6383808.
AR208715
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                                                                                                            Homo sapiens
Homo sapiens
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                         Lander, E.S., Gargill, M., Ireland, J.S., Bolk, S., Daley, G.Q. and Mccarthy, J.J.
Single nucleotide polymorphisms in genes
Patent. WO 0118250-A 2423 15-MAR-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US); Millennium
Pharmaceuticals, Inc. (US)
Location/Qualifiers
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Single nucleotide polymorphisms in genes
Patent: WO 0118250-A 2424 15-MAR-2001,
WHITEBEAD INSTITUTE POR BIOMEDICAL RESEARCH (US); Millennium
Pharmaceuticals, Inc. (US)
Location/Qualifiers
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Pred. No. 23;
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AX097245
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Sequence 5 from Patent WO2004035827.
CQ803453
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Sequence 2424 from Patent W00118250.
AX097246
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95.2%; Pred. No. 23;
ative 1; Mismatches

    .21
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Best Local Similarity 95.2%;
Matches 20; Conservative :
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Homo sapiens
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Best Local Similarity 95.2-
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DEFINITION ACCESSION VERSION KEYWORDS

RESULT 57

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AX097246 LOCUS

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RESULT 58

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B (Dass 1 to 20)
S Monia, Br. and Freier, S.M.
Antisense inhibition of clusterin expression
Antisense inhibition of clusterin expression
Location/Qualifiers
20 "...bnown"
                                                                                                                            Unclassified.

1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 17 07-MAY-2002;
Location/Qualifiers
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Antisense inhibition of clusterin expression
Patent: US 6383808-A 18 07-MAY-2002;
Location/Qualifiers
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches
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                               AR208718 20 bp
Sequence 17 from patent US 6383808.
AR208718 GI:21509946
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Sequence 18 from patent US 6383808.
AR208719
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/organism="unknown"
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AR208720
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Matches 20; Conservative
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AR208718/c
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Unknown.
Unclassified.

E 1 (bases 1 to 20)

S Monia,B.P. and Freier,S.M.
Antiesense inhibition of clusterin expression
Antiesense inhibition of clusterin expression
Location/Qualifiers

Location/Qualifiers
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M Unknown.
Unclassified.
B 1 (bases 1 to 20)
S Monia,B.P. and Freier,S.M.
Antiesense inhibition of clusterin expression
Antiesense inhibition of -May-2002;
Location/Qualifiers
Location/Qualifiers
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 14 07-MAY-2002;
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches (
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Sequence 15 from patent US 6383808.
AR208716 AR208716.1 GI:21509944
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/organism="unknown"
/wol_type="unassigned DNA"
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1.2%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches
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Sequence 16 from patent US 6383808.
AR208717.1 GI:21509945
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Best Local Similarity 100.0%; Pred. No. 24;
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1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Horisense inhibition of clusterin expression
Patent: US 6383808-A 23 07-MAY-2002;
Location/Qualifiers
                                       Unclassified.

1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 22 07-MAY-2002;
Location/Qualifiers
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1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 24 07-MAY-2002;
Location/Qualifiers
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 23 from patent US 6383808.
AR208724.1 GI:21509954
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/mol_type="unassigned DNA"
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 24 from patent US 6383808.
AR208725 GI:21509955
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AR208725/c
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 20 07-MAY-2002;
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Antisense inhibition of clusterin expression
Patent: US 6383808-A 21 07-MAY-2002;
Location/Qualifiers
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Sequence 22 from patent US 6383808.
AR208723.1 GI:21509952
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Seguence 20 from patent US 6383808.
AR208721
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 21 from patent US 6383808.
AR208722. GI:21509951
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/organism="unknown"
/mol_type="unassigned DNA"
/mol_type="unassigned DNA"
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                                                                                                         20 GGTCTCAGACAATGAGCTCC 1
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AR208721/c
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Antisense inhibition of clusterin expression Patent: US 6383808-A 27 07-MAY-2002; Location/Qualifiers
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 28 07-MAY-2002;
Location/Qualifiers
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1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Morisense inhibition of clusterin expression
Patent: US 6383808-A 29 07-MAY-2002;
Location/Qualifiers
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Sequence 29 from patent US 6383808.
AR208730. GI:21509961
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Sequence 28 from patent US 6383808.
AR208729
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/organism="unknown"
/wol_type="unassigned DNA"
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/organism="unknown"
/mol_type="unassigned DNA"
                                                                                      /organism="unknown"
/wol_type="unassigned DNA"
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AR208729/c
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E 1 (bases 1 to 20)

K Monia, B.P. and Freier, S.M.
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5 1 (Dases 1 to 20)
5 Monia, BP. and Freier, S.M.
Antiense inhibition of clusterin expression
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Location/Qualifiers
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Sequence 26 from patent US 6383808.
AR208727.1 GI:21509957
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Sequence 27 from patent US 6383808.
AR208728 1 GI:21509959
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Sequence 25 from patent US 6383808.
AR208726.1 GI:21509956
    286 AGAAAGAGGATGCCCTAAAT 305
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1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
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AR208727/c
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Unclassified.
1 (bases 1 to 20)
Monia, B.P. and Freter, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 33 07-MAY-2002;
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1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 34 07-MAY-2002;
Location/Qualifiers
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/organism="unknown"
/wol_type="unassigned DNA"
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Sequence 35 from patent US 6383808.
AR208736.1 GI:21509969
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/organism="unknown"
/wol_type="unassigned DNA"
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Sequence 33 from patent US 6383808.
AR208734
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Sequence 34 from patent US 6383808.
AR208735 GI:21509967
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AR208736/c
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AR208734/c
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E 1 (bases 1 to 20)
S Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
ALL Patent: US 6383808-A 30 07-MAY-2002;
Location/Qualifiers
. 20 "....known" ....known"
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1 (bases 1 to 20)

Monia, B.P. and Freier, S.M.

Antisense inhibition of clusterin expression

Patent: US 6383808-A 31 07-MAY-2002;

Location/Qualifiers
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1 (bases 1 to 20)
Monia, B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 32 07-MAY-2002;
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             20 bp | Sequence 30 from patent US 6383808.
AR208731
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Sequence 31 from patent US 6383808.
AR208732.
AR208732.1 GI:21509964
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Sequence 32 from patent US 6383808.
AR208733
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/mol_type="unassigned DNA"
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/wol_type="unassigned DNA"
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E 1 (bases 1 to 20)

S Monia, Br. and Freier, S.M.
Antisense inhibition of clusterin expression
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E 1 (bases 1 to 20)

As Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression

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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
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Sequence 40 from patent US 6383808.
AR208741
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Sequence 38 from patent US 6383808.
AR208739
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20 ACCGCATCGACTCCCTGCTG
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Antisense inhibition of clusterin expression
Patent: US 6383808-A 36 07-MAY-2002,
Location/Qualifiers
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/organism="unknown"
/mol_type="unassigned DNA"
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/organism="unknown"
/wol_type="unassigned DNA"
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Sequence 36 from patent US 6383808.
AR208737.1 GI:21509970
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AR208738/c
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AR208737/c
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 41 07-MAY-2002;
Location/Qualifiers
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Monia, B.P. and Freier, S.M.
Artisense inhibition of clusterin expression
Patent: US 6383808-A 42 07-MAY-2002;
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Patent: US 6383808-A 40 07-MAY-2002;
Location/Qualifiers
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100.0%; Pred. No. 24;
tive 0; Mismatches
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 42 from patent US 6383808.
AR208743.
AR208743.1 GI:21509977
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 41 from patent US 6383808.
AR208742.1 GI:21509976
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/wol_type="unassigned DNA"
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RESULT 89 AR208744/c

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E 1 (bases 1 to 20)

K Monia, B.P. and Freier, S.M.

Antiense inhibition of clusterin expression

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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 44 07-MAY-2002;
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 45 07-MAY-2002;
Location/Qualifiers
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20 bp | Sequence 43 from patent US 6383808.
AR208744
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 44 from patent US 6383808.
AR208745.1 GI:21509980
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Sequence 45 from patent US 6383808.
AR208746
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/organism="unknown"
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Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches 0; Indels
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches 0; Indels
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Unclassified.
E 1 (bases 1 to 20)
RS Monia,Br.P. and Freier,S.M.
Antieanse inhibition of clusterin expression
Antieanse inhibition of clusterin expression
Antieanse inhibition of clusterin expression
Location/Qualifiers
Location/Qualifiers
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1 (bases 1 to 20)

Monial, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 49 07-MAY-2002;
                       1 (baces 1 to 20)
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 48 07-MAY-2002;
Location/Qualifiers
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches (
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Sequence 50 from patent US 6383808.
AR208751. GI:21509987
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Sequence 49 from patent US 6383808.
AR208750
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/organism="unknown"
/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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AR208750/c
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Antisense inhibition of clusterin expression
Patent: US 6393808-A 47 07-MAY-2002;
Location/Qualifiers
                                                                                                                                                                                                                                                                         Unclassified.

1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 46 07-MAY-2002;
Location/Qualifiers
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 24;
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Sequence 48 from patent US 6383808.
AR208749.1 GI:21509985
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/organism="unknown"
/wol_type="unassigned DNA"
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Sequence 47 from patent US 6383808.
AR208748
AR208748.1 GI:21509984
 Query Match
1.2%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches
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Sequence 46 from patent US 6383808.
AR208747
AR208747.1 GI:21509982
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/wol_type="unassigned DNA"
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 54 07-MAY-2002;
Location/Qualifiers
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 55 07-MAY-2002;
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches
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Matches 20; Conservative 0; Mismatches
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/organism="unknown"
/wol_type="unassigned DNA"
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Sequence 55 from patent US 6383808.
AR208756.
AR208756.1 GI:21509994
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/mol_type="unassigned DNA"
              1. .20
/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 54 from patent US 6383808.
AR208755
- AR208755.1 GI:21509992
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AR208757/c
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AR208755/c
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1 (bases 1 to 20)
S Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
AL Patent: US 6383808-A 51 07-MAY-2002;
Location/Qualifiers
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1 (bases 1 to 20)
Monia,B.P. and Freier,S.M.
Hatisense inhibition of clusterin expression
Patent: US 6383808-A 52 07-MAY-2002;
Location/Qualifiers
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Unclassified.
1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 53 07-MAY-2002;
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Sequence 51 from patent US 6383808.
AR208752
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AR208753
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/organism="unknown"
/wol_type="unassigned DNA"
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Sequence 53 from patent US 6383808.
AR208754 GI:21509991
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1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 59 07-MAY-2002;
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches (
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1.2%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches
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Sequence 61 from patent US 6383808.
AR208762. GI:21510001
100.0%; Pred. No. 24; tive 0; Mismatches
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Sequence 60 from patent US 6383808.
AR208761.1 GI:21510000
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/mol_type="unassigned DNA"
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Sequence 59 from patent US 6383808.
AR208760
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                                  967 AGAICTIGICTGIGACIGT 986
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Best Local Similarity 100.
Matches 20; Conservative
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E 1 (bases 1 to 20)

S Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression

Antisense inhibition of clusterin expression

Location/Qualifiers

Location/Qualifiers
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1 (bases 1 to 20)
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Antisease inhibition of clusterin expression
Patent: US 6383808-A 58 07-MAY-2002;
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches (
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Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches (
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 58 from patent US 6383808.
AR208759. GI:21509997
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Sequence 57 from patent US 6383808.
AR208758
AR208758.1 GI:21509996
    Sequence 56 from patent US 6383808.
AR208757
AR208757.1 GI:21509995
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AR208759/C
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| S Monia, B.P. and Preier, S.M.
| Antisense inhibiting of Clusterin expression
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| Antisense inhibition of Clusterin Expression
| Location/Qualifiers | Loca
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1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 66 07-MAY-2002;
Location/Qualifiers
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1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 64 07-MAY-2002;
Location/Qualifiers
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Sequence 66 from patent US 6383808.
AR208767
AR208767.1 GI:21510007
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/organism="unknown"
/mol_type="unassigned DNA"
                                                                              AR208765 20 bp Sequence 64 from patent US 6383808.
AR208765
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/organism="unknown"
/mol_type="unassigned DNA"
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AR208766/c
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AR208767/c
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        1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 61 07-MAY-2002;
Location/Qualifiers
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Monia, B.P. and Freter, S.M.
Artisense inhibition of clusterin expression
Patent: US 6383808-A 62 07-MAY-2002;
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Monta,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 63 07-MAY-2002;
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ilarity 100.0%; Pred. No. 24;
Conservative 0; Mismatches (
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100.0%; Pred. No. 24;
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/organism="unknown"
/mol_type="unassigned DNA"
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/organism="unknown"
/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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AR208764
AR208764.1 GI:21510003
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AR208763
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Monia,B.P. and Freier,S.M.
Antiesense inhibition of clusterin expression
Antiesense inhibition of -MaY-2002;
Location/Qualifiers
Location/Qualifiers
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1 (bases 1 to 20)

Monia, B.P. and Freier, S.M.

Antisense inhibition of clusterin expression

Patent: US 6383808-A 71 07-MAY-2002;

Location/Qualifiers
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Antisense inhibition of clusterin expression
Patent: US 6383808-A 70 07-WAY-2002;
Location/Qualifiers
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100.0%; Pred. No. 24;
tive 0; Mismatches
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Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 71 from patent US 6383808.
AR208772.1 GI:21510013
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Sequence 70 from patent US 6383808.
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/organism="unknown"
/wol_type="unassigned DNA"
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Best Local Similarity 100.0%; Pred. No.
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AR208770.
AR208770.1 GI:21510011
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AR208772/c
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AR208771/c
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Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches 0; Indels
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Antisense inhibition of clusterin expression
Patent: US 6383808-A 68 07-MAY-2002;
Location/Qualifiers
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1 (bases 1 to 20)

Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 67 07-MAY-2002;
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches
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DEFINITION Sequence 69 from patent US 6383808.
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/wol_type="unassigned DNA"
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/organism="unknown"
/wol_type="unassigned DNA"
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AR208768
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Sequence 68 from patent US 6383808.
AR208769 GI:21510010
                                 /mol_type="unassigned DNA"
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             1. .20
/organism="unknown"
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AR208769/c
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AR208768/c
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PAT 20-JUN-2002

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Unclassified.
(Inclasses 1 to 20)
Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 75 07-MAY-2002;
1 (bases 1 to 20)
Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 74 07-MAY-2002;
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 78 07-MAY-2002;
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 24;
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 75 from patent US 6383808.
AR208776.1 GI:21510018
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/organism="unknown"
/mol_type="unassigned DNA"
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 78 from patent US 6383808.
AR208779.1 GI:21510022
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100.0%; Pred. No. 24;
tive 0; Mismatches 0; Indels
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Monia. B.P. and Freier,S.M.
Marisense inhibition of clusterin expression
Patent: US 6383808-A 72 07-MAY-2002;
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Antisense inhibition of clusterin expression
Patent: US 6383808-A 73 07-MAY-2002;
Location/Qualifiers
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 74 from patent US 6383808.
AR208775
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Sequence 72 from patent US 6383808.
AR208773.1 GI:21510015
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/organism="unknown"
/mol_type="unassigned DNA"
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                                              20 AAATTTATGGAGACCGTGGC 1
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Best Local Similarity 100.04
Matches 20; Conservative
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PAT 20-JUN-2002

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Jansen, B., Gleave, M.E., Signaevsky, M., Beraldi, E., Trougakos, I. and
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Treatment of melanoma by reduction in clusterin levels Patent: WO 2004018675-A 28 04-MAR-2004; The University of British Columbia (CA); Gleave, Martin E. (CA) Location/Qualifiers
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1.2%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 19; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 28;
tive 0; Mismatches 0; Indels
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Patent: WO 2004018676-A 67 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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/organism="synthetic construct"
/mol_type="unassigned RNA"
/db_xref="taxon:32630"
/note="RNAi for human clusterin"
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                                                              1. 21 /organism="synthetic construct" /organism="synthetic construct" /mol_type="unassigned DNA" /mol_type="taxon:32630" /note="RNA1 for human clusterin"
                                                                                                                                                                                                                                                                                                                      DNA
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synthetic construct
other sequences; artificial sequences.
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95.2%; Pred. No. 35;
ative 0; Mismatches
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/organism="unknown"
/mol_type="genomic DNA"
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Matches 20; Conservative
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Best Local Similarity 100.0
Matches 20; Conservative
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Patent: WO 2004018676-A 9 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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/mol type="unassigned DNA"
boxref="taxon:32630"
/note="RNA! for human clusterin"
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                                                                     Sequence 80 from patent US 6383808.
AR208781
AR208781,1 GI:21510025
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CQ786639
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CQ786121
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Jansen, B., Gleave, M.E., Signaevsky, M., Beraldi, E., Trougakos, I. and
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Patent: WO 2004018675-A 43 04-WAR-2004;
The University of British Columbia (CA); Gleave, Martin E. (CA)
Location/Qualifiers
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100.0%; Pred. No. 40;
tive 0; Mismatches 0; Indels
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Patent: WO 2004018676.A 10 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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/note="RNA1 for human clusterin"
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/db xref="taxon:32630"
/note="RNAi for human clusterin"
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Sequence 10 from Patent WO2004018676.
CQ786122
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Sequence 29 from Patent WO2004018675.
CQ786640. GI:45721660
                                                               synthetic construct other sequences other sequences.
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Matches 19; Conservative
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 CQ786654
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CQ786122/c
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CQ786640/c
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Patent: WO 2004018675-A 42 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E. (CA)
Location/Qualifiers
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100.0%; Pred. No. 30;
iive 0; Mismatches 0; Indels
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Rnai probes targeting cancer-related proteins
Patent: WO 2004018876-A 68 04 MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                 /organism="synthetic construct"
|mol_type="unassigned RNA"
|bxref="taxon:33630"
|noTe="RNA! for human clusterin"
                                                                                                                               CQ786180 19 bp RNA
Sequence 68 from Patent WO2004018676.
CQ786180
                                                                                                                                                                                                               synthetic construct
synthetic construct
other sequences; artificial sequences.
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Sequence 43 from Patent WO2004018675.
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                 99
                                1 ATGATGAGACTCTGCTGC 19
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synthetic construct
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Best Local Similarity 100.
Matches 19; Conservative
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In (baselist.)
Miller,W.L., Lin,D. and Strauss,J.F. III.
Miller,W.L., Lin,D. and Strauss,J.F. III.
Identification of gene mutations associated with congenital lipoid adrenal hyperplasia
adrenal hyperplasia
Patent: US 5807678-A 22 15-SEP-1998;
Location/Qualifiers
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                   /organism='Artificial sequences'
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1.1%; Score 18.8; DB 1; Length 22;
Best Local Similarity 90.9%; Pred. No. 50;
Matches 20; Conservative 0; Mismatches 2; Indels
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Best Local Similarity 100.0%; Pred. No. 36;
Matches 18; Conservative 0; Mismatches 0; Indels
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 4 07-MAY-2002;
Location/Qualifiers
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100.0%; Pred. No. 36;
ative 0; Mismatches
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/organism="unknown"
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/mol_type="unassigned DNA"
                                                                                                                                                                                                                                                                                                            AR038688 18 bp Sequence 22 from patent US 5807678. AR038688.1 GI:5958051
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Sequence 4 from patent US 6383808.
AR208705
AR208705.1 GI:21509929

    .22
    /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

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                                                                                                                                                                                                                      1475 GAGAGCTCTGCACGTCAC 1492
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Best Local Similarity 100.
Matches 18; Conservative
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AR038688/c
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Akamatsu, T., Suzuki, T. and Uchimiya, H.

DeTERNIANIATION OF MALE OR FEMALE OF SPINACH BY USING DNA MARKER

L. Patent: JP 1998052284-A 10 24-FEB-1998;

SAKATA NO TANE:KK

OS None

OC Artificial sequences.

PN JP 1998052284-A/10

PD 24-FEB-1998

PF 14-MAY-1997 JP 1997124012

PR 14-MAY-1997 JP 1997124012

PR 14-MAY-1996 JP 96P 119124

PI AKAMATSU TOYCKAZU, SUZUKI TAKAO, UCHIMIXA HIROBUMI PC

C12N15/09, CO77421/04, C12Q1/68;

CC strandedness: Single;

CC topology: Linear;

CC hypothetical: No;

CC anti-sense: No;

CC Artifiers
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 The University of British Columbia (CA); Gleave, Martin E. (CA) Location/Qualifiers
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Unclassified.
1 (Dassified.
1 (Dasses I to 22)
Akamatsu,T. and Suzuki,T.
Method for identifying the sex of spinach by DNA markers
Method for 104012-A 10 08-UN-1999;
Patent: US 5910412-A 10 08-UN-1999;
Location/Qualifiers
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                                     1. .21
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/noTe="RNAi for human clusterin"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1. .22
/organism="unknown"
/mol_type="unassigned DNA"
                                                                                                                                                                                                                                                                                                     22 bp | Sequence 10 from patent US 5910412.
AR071119
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JP 1998052284-A/10.
unidentified
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unclassified.
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Best Local Similarity 90.99
Matches 20; Conservative
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Matches 19; Conserv
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REFERENCE AUTHORS TITLE

RESULT 137 AX728619

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PAT 20-JUN-2002
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1 (bases 1 to 20)

Anderson,K.P., Hanecak,R.C., Hoshiko,K., Nozaki,C., Nishihara,T.,

Nakatake,H., Hamada,F., Eto,T., Furukawa,S., Furasako,S.,

Bruice,T.W. and Lima,W.F.

Compositions and methods for treatment of Hepatitis C

virus-associated diseases

Patent: US 6391542-A 43 21-MAY-2002;

Location/Qualifiers
                                                                   Unclassified.

Unclassified.

1 (bases 1 to 20)

AnderSon, K. P., Hanecak, R.C., Hoshiko, K., Nozaki, C., Nishihara, T., Nakatake, H., Hamada, F., Eto, T. and Furukawa, S.

Compositions and methods for treatment of hepatitis C virus-associated diseases

Virus-associated diseases

Patent: US 6284458-A 43 04-SEP-2001;
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unclassified.
1 (bases 1 to 16)
Maertens, G., Stuyver, L., Rossau, R. and Van, H.H.
PROCESS FOR TYPING OF HCV ISOLATES
Patent: WO 941267-0-A 97 09-JUN-1994;
INNOGENETICS NV (BE)
Other Publication AU 5628294 940622
Other Publication CA 2128528 940609
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Best Local Similarity 90.0%; Pred. No. 74;
Matches 18; Conservative 0; Mismatches
                                                                                                                                                                                                                                      /organism="unknown"
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Sequence 43 from patent US 6391542.
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Sequence 97 from Patent WO9412670.
A39125
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AR167026.1 GI:16243448
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Matches 18; Conservative
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                       Telerman, A., Amson, R. and Tuljnder, M. Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as
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100.0%; Pred. No. 43;
ive 0; Mismatches (
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Best Local Similarity 100.0%; Pred. No. 43;
Matches 17; Conservative 0; Mismatches C
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Patent: WO 03025175-A 253 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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                                                               17 bp Dr Sequence 253 from Patent W003025175. AX728619.1 GI:30507962
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Sequence 43 from patent US 6284458.
AR167026
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Location/Qualifiers
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Homo sapiens
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Homo sapiens
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Best Local Similarity 100.
Matches 17; Conservative
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VERSION KEYWORDS SOURCE ORGANISM

REFERENCE AUTHORS TITLE

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RESULT 138

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LOCUS DEFINITION ACCESSION

RESULT 139 AR167026/c

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PAT 12-JUN-2003

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Method for detecting nucleic acid sequences based on the use of solid phase immobilised nucleotide probes (line probe assay)
Patent: EP 0905258-A 97 31-MAR-1999;
INNOGENETICS NV (BE)
Location/Qualifiers
1..16
                                                                                                                    Unclassified.
Unclassified.
1 (bases 1 to 16)
Maertens, G., Stuyer, L., Rossau, R. and Van Heuverswyn, H.
Process for typing of HCV isolates
Patent: US 6458670-A 97 17-DEC-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 (bases 1 to 16)
Maertens, G., Stuyver, L., Rossau, R. and Van Heuverswyn, H.
Process for typing HCV isolates
Patent: US 6548244-A 97 15-APR-2003;
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Best Local Similarity 100.0%; Pred. No. 50;
Matches 16; Conservative 0; Mismatches 0; Indels
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Sequence 97 from patent US 6548244.
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Sequence 97 from patent US 6495670.
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Sequence 97 from Patent EP0905258.
AX023187
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/organism="unknown"
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/organism="unknown"
/mol_type="mRNA"
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                                                          AR267380.1 GI:29697398
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Unclassified.
1 (bases 1 to 16)
Maertens,G., Stuyver,L., Rossau,R. and Van Heuverswyn,H.
Process for typing of HCV isolates
Patent: US 6171784-A 97 09-JAN-2001;
                                                                                                                                                                                                                                                                                                                                                                                                        1 (bases 1 to 16)
Maertens, G., Stuyver, L., Rossau, R. and Van Heuverswyn, H. Process for typing of HCV isolates
Pacent: US 5846704-A 97 08-DEC-1998;
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Other publication JP 7503143T 950406.
Location/Qualifiers
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Sequence 97 from patent US 6171784.
AR123639
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Seguence 97 from patent US 5846704.
AR063448
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                               PAT 11-OCT-2004
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Modulation of exon recognition in pre-mrna by interfering with the secondary rna structure
Patent: WO 2044083446-A 15 30-SEP-2004;
Academisch Ziekenhuis Leiden (NL)
Location/Qualifiers
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Patent: WO 200401867-6-7, 7 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Pred. No. 90;
0; Mismatches 2;
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Sequence 8 from Patent W02004018676.
CQ786120 GI:45721223
                                 CQ881900 19 bp RNA
Sequence 15 from Patent WO2004083446.
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other sequences; artificial sequences.
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Sequence 7 from Patent WO2004018676.
CQ786119
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Best Local Similarity 89.5%;
Matches 17; Conservative
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synthetic construct
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                                                                   CQ881900
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CQ786120/c
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CQ786119
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                    CQ881900/c
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Hepatitis C virus
Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 (bases 1 to 17)
Wang,C.-G. and Hepburn,A.G.
Genetic sequence assay using DNA triple strand formation
Patent: US 5861244-A 37 19-JAN-1999;
Location/Qualifiers
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100.0%; Pred. No. 50;
ive 0; Mismatches 0; Indels
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1.0%; Score 16; DB 1;
Best Local Similarity 100.0%; Pred. No. 50;
Matches 16; Conservative 0; Mismatches (
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1.0%; Score 16; DB 1;
Best Local Similarity 100.0%; Pred. No. 61;
Matches 16; Conservative 0; Mismatches
                                                                                                                                                                                                                                              DNA

    .16 /organism="Hepatitis C virus"
/mol type="unassigned DNA"
/db_xref="taxon:11103"

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Patent: EP 1197568-A 97 17-APR-2002;
Innogenetics N.V. (BE)
Location/Qualifiers
/organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"
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Sequence 37 from patent US 5861244.
AR029848.1 GI:5943062
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 97 from Patent EP1197568.
AX417393
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Best Local Similarity 100.0
Matches 16; Conservative
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Unclassified.
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AX417393/c
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AR029848
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synthetic construct

Gaps

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Indels

Length 19;

PAT 24-MAR-2004

linear

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 8666 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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0.9%; Score 15.4; DB 1;
Best Local Similarity 94.1%; Pred. No. 74;
Matches 16; Conservative 0; Mismatches 1;
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/organism="synthetic construct"
/organism="synthetic construct"
/organism="unassigned DNA"
/db xref="taxon:32630"
/note="RNAi for human clusterin"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 1;
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="RNAi for human clusterin"
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synthetic construct
other sequences; artificial sequences.
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Sequence 27 from Patent WO2004018675.
CQ786638 CQ786638.1 GI:45721658
                                                                     Score 15.8; DE Pred. No. 90; 0; Mismatches
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Sequence 8666 from Patent WO0192524.
CQ623926
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89.5%; Pred. No. 90;
tive 0; Mismatches
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Best Local Similarity 89.5'
Matches 17; Conservative
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Matches 17; Conserv
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CQ623926
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                                                      Jansen, B., Gleave, M.E., Signaevsky, M., Beraldi, E., Trougakos, I. and
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Treatment of melanoma by reduction in clusterin levels

Patent: WO 2004018675-A 24 04-MAR-2004;

The University of British Columbia (CA); Gleave, Martin E. (CA)

Location/Qualifiers
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Patent: WO 2004018675-A 26 04-WAR-2004;
The University of British Columbia (CA); Gleave, Martin E. (CA)
Location/Qualifiers
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1.0%; Score 15.8; DB 1; Length 19;
Best Local Similarity 89.5%; Pred. No. 90;
Matches 17; Conservative 0; Mismatches 2; Indels
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                                                                                        Rnai probes targeting cancer-related proteins
Patent: WO 2004018676.A 8 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
                                                                                                                                                                                /organism="synthetic construct"
/mol_type="unassigned DNN"
/mol_type="unassigned DNN"
/note="RNAi for human clusterin"
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:3260"
/noTe="RNAi for human clusterin"
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Sequence 26 from Patent WO2004018675.
CQ786637
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Sequence 24 from Patent W02004018675.
CQ786635. GI:45721655
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synthetic construct
other sequences; artificial sequences.
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synthetic construct
other sequences; artificial sequences.
                      other sequences; artificial sequences.
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   synthetic construct
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CQ786635
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Gaps

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Length 19;

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PAT 02-FEB-2004

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Length 17;

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Shannon, M.E.
Polymucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6666188-A 8666 03-FEB-2004;
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Blatt, L., Mcswiggen, J. and Chowrira, B.M.
Method and reagent for the modulation and diagnosis of cd20 and
nogo gene expression
Patent: WO 0159103-A 170 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
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                                                                                                                                             Query Match 0.9%; Score 15.4; DB 1; Length 17; Best Local Similarity 94.1%; Pred. No. 74; Matches 16; Conservative 0; Mismatches 1; Indels
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/organism="synthetic construct"
/mol_type="unassigned RNA"
/db xref="texon:32630"
/noTe="Nucleic Acid"
                                                                                                                                                                                                                                                                                                                                                                                                            synthetic construct
synthetic construct
other sequences; artificial sequences.
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Sequence 1451 from Patent EP1281758.
AX688719
                                                                                                                                                                                                                                                                                                                             AX214728 17 bp F
Sequence 170 from Patent WO0159103.
AX214728
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0.9%; Score 15.4; E
Best Local Similarity 94.1%; Pred. No. 74;
Matches 16; Conservative 0; Mismatches
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                           /organism="unknown"
/mol_type="genomic DNA"
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Location/Qualifiers
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AX688719/c
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AX214728/c
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Unclassified.
Unclasse 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
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Unclassified.

E 1 (bases 1 to 17)

S Draper,K.G., Pavco, P., McSwiggen,J., Gustofson,J. and Stinchcomb,D.T.

Method of reducing stromelysin RNA via ribozymes

AL Patent: US 5731295-A 535 24-MAR-1998;

Location/Qualifiers
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Draper,K.G., Pavco,P., McSwiggen,J., Gustofson,J. and
Stinchcomb,D.T.
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Sequence 8666 from patent US 6686188.
AR464989
AR464989.1 GI:42700046
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Patent: US 5612215-A 535 18-MAR-1997;
Location/Qualifiers
                                                                         17 bp Di
Sequence 535 from patent US 5612215.
137522.
137522.1 GI:2085482
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Sequence 535 from patent US 5731295.
194372.
194372.1 GI:3938842
                                                                                                                                                                                                                                                                                                                               /organism="unknown"
/wol_type="unassigned DNA"
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/wol_type="unassigned DNA"
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   GAAGCCAAGAAGGAGAA 17
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Best Local Similarity 94.19
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194372/c
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AR464989
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PAT 11-MAY-2001
                      PAT 29-SEP-1999
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Paoletti,E., Perkus,M.E., Taylor,J., Tartaglia,J., Norton,E.K.,
Riviere,M., de Taisne,C., Limbach,K.J., Johnson,G.P., Pincus,S.E.,
Cox,W.I., Audonnet,J.-C.F. and Gettig,R.R.
NVVAC vaccinia virus recombinants comprising heterologous inserts
Patent: US 5494807-A 280 27-FEB-1996;
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88.9%; Pred. No. 1.1e+02;
rative 0; Mismatches 2;
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                                                                                                                                     Unclassified.

1 (bases 1 to 18)
Stinchcomb,D.T. and McSwiggen,J.A.
Interleukin-2 receptor gamma-chain ri
Patent: US 5807743-A 953 15-SEP-1998;
Location/Qualifiers
                          AR040105 18 bp DN
Sequence 953 from patent US 5807743.
AR040105.1 GI:5959468
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Sequence 301 from Patent WO0129262.
AX115178
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/organism="unknown"
/mol_type="unassigned DNA"
                                                                                                                                                                                                                                          /organism="unknown"
/mol_type="unassigned DNA"
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Best Local Similarity 88.9
Matches 16; Conservative
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Best Local Similarity 88.5.
Electron 16; Conservative
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AX115178
RESULT 163
AR040105/c
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DEFINITION
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I18045/c
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Unclassified.

(bases 1 to 18)

Paoletti,E., Perkus,M.E., Taylor,J., Tartaglia,J., Norton,E.K.,
Paoletti,E., Perkus,M.E., Limbach,K.J., Johnson,G.P., Pincus,S.E.,
Riviere,M., de Taisne,C., Limbach,K.J., Johnson,G.P., Pincus,S.E.,
Cox,M.I., Audonnet,J.-C.Francis. and Gettig,R.Robert.
Modified recombinant vaccinia virus and expression vectors thereof
Patent: US 576238-A 280 09-JUN-1998;
Location/Qualifiers
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                                                                                                                                                                                       PAT 25-JUN-2003
                                                                                                                                                                                                                                                                                              Eukaryota, Metazoa; Chordata; Craniata; Vertebrata, Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                  Gaps
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Telerman,A., Amson,R. and Tuijnder,M.
Sequences involved in tumoral suppression, tumoral reversion,
apoptosis and/or viral resistance phenomena and their use as
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Pred. No. 1.1e+02;
0; Mismatches 2; Indels
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14.1%; Pred. No. 74;
ve 0; Mismatches 1; Indels
                ch 0.9%; Score 15.4; DB 1; Length 17; 1 Similarity 94.1%; Pred. No. 74; 16; Conservative 0; Mismatches 1; Indels
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Molecular Engines Laboratories (FR)
Location/Qualifiers
                                                                                                                                                                                           AX762505 17 bp DNA Sequence 5826 from Patent WO03040369.
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Sequence 280 from patent US 5762938.
AR011407.
AR011407.1 GI:3969397
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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AX762505.1 GI:32257121
                                                                                   928 GCTGCCTGCGGATGAAG 944
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ilarity 88.9%;
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Conservative
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Homo sapiens
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Best Local Similarity
Matches 16; Conserv
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Myosin-like gene expressed in human heart and muscle
Myosin-like gene expressed is constant and muscle
Patent: WO 1924-A 8352 06-DEC-2001;
Aeomica, MO (US)
Location/Qualifiers
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Sequence 8352 from Patent WO0192524.
CQ623612.
CQ623612.1 GI:41673830
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Sequence 8353 from Patent WO0192524.
CQ623613.
CQ623613.1 GI:41673831
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/db_xref="taxon:9606"
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Unclassified.
I (bases 1 to 17)
Kawaoka, and Ebinuma, H.
NA encoding a transcription factor controlling phenylpropanoid biosynthesis pathway
Patent: US 6303847-A 7 16-OCT-2001;
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18.9%; Pred. No. 1.1e+02;
ve 0; Mismatches 2; Indels
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/organism="synthetic construct"
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                  1. .18
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/noTe="Primer"
                                                                                                                                                                                                                                                                                                                          DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                  other sequences; artificial sequences.
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AX776586.1 GI:32694120
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Sequence 7 from patent US 6303847.
AR173373
AR173373.1 GI:17912864
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Best Local Similarity 88.9%;
Matches 16; Conservative
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synthetic construct
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PAT 02-FEB-2004

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 019253-A 10038 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Myosin-like gene expressed in human heart and muscle
Patent: WO 019254-A 10037 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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1 (bases 1 to 17)

Draper.K.G., Pavco,P., McSwiggen,J., Gustofson,J. and Stinchcomb,D.T.
Stromelysin targeted ribozymes
Patent: US 5612215-A 536 18-MAR-1997;
Location/Qualifiers
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Sequence 10038 from Patent WO0192524.
CQ62528
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/db_xref="taxon:9606"
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CQ625298/c
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Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 8667 06-DEC-2001;
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 8665 06-DEC-2001;
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0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 1e+02;
Matches 15; Conservative 0; Mismatches 1; Indels
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Sequence 10037 from Patent WO0192524.
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Sequence 8667 from Patent WO0192524.
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
              Sequence 8665 from Patent WO0192524.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Location/Qualifiers
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Location/Qualifiers
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CQ625297.1 GI:41675515
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CQ623927.1 GI:41674145
                                       CQ623925
CQ623925.1 GI:41674143
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                                                                                                                     Polynucleotide encoding a human myosin-like polypeptide expressed
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
                                                                  1 (bases 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
                                                                                                                                                                                                                                                          / Match 0.9%; Score 14.4; DB 1; Length 17; Local Similarity 93.8%; Pred. No. 1e+02; No 15; Conservative 0; Mismatches 1; Indels
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Patent: US 6686188-A 8353 03-FEB-2004;
Location/Qualifiers
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Sequence 8667 from patent US 6686188.
AR464990. GI:42700047
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Best Local Similarity 93.8%; Pred. No. 1e+0
Matches 15; Conservative 0; Mismatches
                                                                                                                                                                                                      /organism="unknown"
/mol_type="genomic DNA"
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/mol_type="genomic DNA"
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                   Gaps
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
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Draper,K.G., Pavco,P., McSwiggen,J., Gustofson,J. and Stinchcomb,D.T.
Method of reducing stromelysin RNA via ribozymes
Patent: US 5731295-A 536 24-MAR-1998;
Location/Qualifiers
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93.8%; Pred. No. 1e+02;
tive 0; Mismatches 1; Indels
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93.8%; Pred. No. 1e+02; ative 0; Mismatches
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Sequence 8352 from patent US 6686188.
AR464675
AR464675.1 GI:42699732
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Sequence 536 from patent US 5731295.
194373. GI:3938843
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/mol_type="genomic DNA"
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Best Local Similarity 93.89
Matches 15; Conservative
Best Local Similarity 93.8
Matches 15; Conservative
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Unclassified.
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PAT 07-SEP-2001

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Homo sapiens
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                Blatt,L., Mcswiggen,J. and Chowrira,B.M.
Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
Patent: WO 0159103-A 171 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
McSwiggen, James (US) ; Chowrira, Bharat M. (US)
Location/Qualifiers
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/mol_type="unassigned RNA"
/db_xref="taxon:32630"
/note="Nucleic Acid"
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Sequence 1452 from Patent BP1281758.
AX688720
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Aeomica, Inc. (US)
             RNA
                                                                                                                                        synthetic construct
synthetic construct
other sequences, artificial sequences.
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17 bp F Sequence 171 from Patent W00159103. AX214729 AX214729.1 GI:15524772

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/db_xref="taxon:9606"

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Best Local Similarity 93.8
Matches 15; Conservative
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AX688720/c
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Shannon, M. E.

Polymucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 668188-A 1037 03-FEB-2004;

Location/Qualifiers
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0.9%; Score 14.4; DB 1; Length 17;

Best Local Similarity 93.8%; Pred. No. 1e+02;

Matches 15; Conservative 0; Mismatches 1; Indels
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Sequence 10038 from patent US 6686188.
AR466361.1 GI:42701418
                                                                                                                                                                                                                                                                                                                                             Sequence 10037 from patent US 6686188. AR466160
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Best Local Similarity 93.89
Matches 15, Conservative
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VERSION KEYWORDS SOURCE

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1..18
/organism="unidentified"
/organism="unidentified"
/organism=ssigned DNA"
/db xref="texcon132644"
/note="Description of Artificial Sequence: an artificially synthesized primer se q"
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Yamamoto,J.I., Isono,Y., Hio,Y., Otsuka,K., Nagai,K., Irie,R.,
Tamechika,I., Seki,N., Yoshikawa,T., Otsuka,M., Nagahari,K. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 (bases 1 to 18)
Evans, G.A. and Smith, M.W.
Method for generation of sequence sampled maps of complex genomes
Patent: US 5851760-A 797 22-DEC-1998;
Location/Qualifiers
                                                                                                                           ch 0.9%; Score 14.4; DB 1; Length 17; 1 Similarity 93.8%; Pred. No. 1e+02; 15; Conservative 0; Mismatches 1; Indels
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93.8%; Pred. No. 1.2e+02;
tive 0; Mismatches 1; Indels
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Best Local Similarity 93.8%; Pred. No. 1.2e+02;
Matches 15; Conservative 0; Mismatches 1; Indels
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Publingth cDNA sequences
Patent: EP 1347046-A 5102 24-SEP-2003;
Research Association for Biotechnology (JP)
Location/Qualifiers
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Sequence 797 from patent US 5851760.
AR067404.1 GI:5998626
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Sequence 5102 from Patent EP1347046.
AX837978 GI:39921670

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AX837978
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                                       Shannon, M., Gu, Y. and Nguyen, C.T.
Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Sequences involved in tumoral suppression, tumoral reversion,
apoptosis and/or viral resistance phenomena and their use as
medicines
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Patent: WO 03025175-A 4522 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 4522 from Patent W003025175.
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Molecular Engines Laboratories (FR)
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Sequence 3944 from Patent W003040369.
AX760623
                                                                                                       Patent: EP 1281758-A 1452 05-FEB-2003;

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/organism="Homo sapiens"
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Location/Qualifiers
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1 (bases 1 to 17)
1 Tartaglia,L.A., Tepper,R.I. and Culpepper,J.A.
Methods of identifying compounds that modulate body weight using the OB receptor.
the OB receptor.
patent: US 5972621-A 27 26-OCT-1999;
Patent: Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Unclassified.

1 (bases 1 to 17)

1 (bases 1 to 17)

Tartaglia, A., Tepper, R.I. and Culpepper, J.A.

Methods of identifying compounds that modulate body weight using the OB receptor

the OB receptor

Patent: US 597261.-A 25 26-0CT-1999;

Location/Qualifiers
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88.2%; Pred. No. 1.3e+02;
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1 (bases 1 to 17)
Stinchcomb, D.T. and McSwiggen, J.A.
Stinchcomb, D.T. and McSwiggen, J.A.
Interleukin-2 receptor gamma-chain ribozymes
Patent: US 5807743-A 467 15-SEP-1998;
Location/Qualifiers
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88.2%; Pred. No. 1.3e+02;
iive 0; Mismatches 2;
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Sequence 467 from patent US 5807743.
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Sequence 27 from patent US 5972621.
AR081755
AR081755.1 GI:10008481
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Sequence 25 from patent US 5972621.
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Eucalyptus camaldulensis
Eucalyptus, Viridiplantes, Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
rosids; Myrtales; Myrtaceae; Eucalyptus.
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Wararyota, Viridiplantae, Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
rosids; Myrtales; Myrtaceae; Eucalyptus.
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Targeted chromosomal genomic alterations in plants using modified
single stranded oligonuclectides
Patent: WO 0192512-A 955 06-DEC-2001;
UNIVERSITY OF DELAWARE (US)
Location/Qualifiers
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Targeted chromosomal genomic alterations in plants using modified
single stranded oligonucleotides
Patent: WO 0192512-A 956 06-DEC-2001;
UNIVERSITY OF DELAWARE (US)
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    1.7
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Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 0;
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Sequence 955 from Patent WO0192512.
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Sequence 956 from Patent WO0192512.
AX324018
AX324818.1 GI:18095571
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1 GTGGAAGATGCTCGAC 16
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PAT 31-AUG-2000

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DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM

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(CB 1 (bases 1 to 17)

RS Blatt, L., Zwick, M., Pavco, P. and Mcswiggen, J.

Regulation of repressor genes using nucleic acid molecules

RIBOZYME PHARMACEUTICALS INC

OS BUKARYOTE

PN 12 2002541795-A/2638

PD 10-DEC-2002

PF 11-APR-2000 JP 2000611654

PR 12-APR-1999 US 60/129390

PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN PC CL2N15/09, A61K38/00, A61K48/00, A61P43/00, C12N5/10, PC
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                                                                    Tartaglia, D.A., Tepper, R.I., Culpepper, J.A. and White, D.W.
Tartaglia, D.A., Tepper, R.I., Culpepper, J.A. and White, D.W.
Methods of using the Ob receptor to identify therapeutic compounds
Patent: US 6287782-A 27 11-SEP-2001;
Location/Qualifiers
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PC (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
PC A61K37/02,C12R1:91)
PC (C12N5/00,C12R1:91)
CC Regulation of repressor genes using nucleic acid molecules FH
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Regulation of repressor genes using nucleic acid molecules FH Location/Qualifiers
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JP 2002541795-A/2638. unidentified uncleit identified unclein in the molecules. Uncleic identified unclein identified unclein identified in the molecules.
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88.2%; Pred. No. 1.3e+02;
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Pred. No. 1.3e+02;
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Tartaglia,L.A., Tepper,R.I., Culpepper,J.A. and White,D.W.
Methods of using the Ob receptor to identify therapeutic compounds
Patent: US 6207782-A 25 11-SEP-2001;
Location/Qualifiers
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88.2%; Pred. No. 1.38+02;
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Best Local Similarity 88.2%; Pred. No. 1.38+02;
Matches 15; Conservative 0; Mismatches 2;
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Wands,J.R., Wakkta,T. and Moradpour,D.
Antisense inhibition of hepatitis C virus
Patent: US 6001990-A 21 14-DEC-1999;
                                    Query Match

0.8%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2;
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AR094983.1 GI:10022419
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Sequence 25 from patent US 6287782.
AR167985.1 GI:17903799
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ACCESSION VERSION KEYWORDS SOURCE ORGANISM

RESULT 195 AR167985 DEFINITION

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RESULT 196 AR167987 LOCUS

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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Shannon,M.E.
Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 8568 06-DEC-2001;
Aeomica, Inc. (US)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
Myosin-like gene expressed in human heart and muscle
Patent: WO 10254-A 7355 06-DEC-2001;
Aeomica. Inc. (US)
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Shannon,M.E.
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Sequence 7485 from Patent W00192524.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                Homo sapiens
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Myosin-like gene expressed in human heart and muscle Patent: WO 019253-A 2643 06-DEC-2001;
Aeomica. Inc. (US)
Location/Qualifiers
                                                                                                                                                      Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 1895 06-DBC-2001;
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Sequence 2643 from Patent WO0192524.
CQ617903
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           Sequence 1895 from Patent W00192524.
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CQ617155.1 GI:41667373
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/db_xref="taxon:9606"

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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhin1, Hominidae, Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192224-A 8664 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
                                                                                                                                                                                                            Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Myosin-like gene expressed in human heart and muscle
Patent: WO 19254-A 8663 06-DEC-2001;
Acomica, Inc. (105)
Location/Qualifiers
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Homo sapiens
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Mammalia; Eutheria; Primates; Catarrhini; Hominidee; Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 8661 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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Shannon,M.E.
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Patent: WO 0195524-A 8660 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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PAT 02-FEB-2004

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cocher sequences; artificial sequences.

cother sequences; artificial sequences.

CB 1 (bases 1 to 17)

RS Leroy, E.H., Michael, W.H., Lloyd, M.S. and Tim, J.H.

Rehod for analyzang oligonucleotide

AL P199946800-A 4 2.2-FEB-1999;

CALFORNIA INSTITUTE OF TECHNOLOGY

OS Artificial Sequence

PR 1999046800-A/4

PD 23-FEB-1999

PF 12-FEB-1999

PF 13-FEB-1999

PF 13-FE
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1 (bases 1 to 17)

Pavo, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J.

Method and reagent for the treatment of diseases or conditions method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor patent: US 6346398-A 7759 12-FEB-2002;
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88.2%; Pred. No. 1.3e+02;
ative 0; Mismatches 2; Indels
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Location/Qualifiers
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Pred. No. 1.38+02;
0; Mismatches 2; Indels
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/organism="synthetic construct"
/mol type="genomic DNA"
/db_xref="taxon:32630"
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Method for analyzing oligonucleotide.
E65210
                                                                                organism="Homo sapiens"
|mol_type="unassigned DNA"
|db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17 bp
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JP 1999046800-A/4.
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Best Local Similarity 88.2<sup>3</sup>
Matches 15; Conservative
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                      Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 9689 06-DEC-2001;
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 9688 06-DEC-2001;
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                                                                                                                                                                                                 Shannon, M.E.
Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 9687 06-DEC-2001;
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Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2;
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Location/Qualifiers
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Location/Qualifiers
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Homo sapiens
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Tattaglia,L.A., Tepper,R.I., Culpepper,J.A. and White,D.W.
Chimeric proteins comprising the extracellular domain of murine Ob
receptor
Patent: US 6482927-A 25 19-NOV-2002;
Patent: US 6482927-A 25 19-NOV-2002;
PAT 25-SEP-2002
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1 (Dases I to 17)

Tartaglia, L.A., Tepper, R.I., Culpepper, J.A. and White, D.W.

Tartaglia, L.A., Tepper, R.I., Culpepper, J.A. and White, D.W.

Chimeric proteins comprising the extracellular domain of murine Ob receptor

Location/Qualifiers

1. 17
                                                                                                        Uncleasified.
Unclessified.
1 (bases 1 to 17)
1 Tartaglia, L.A., Tepper, R.I., Culpepper, J.A. and White, D.W.
Ob receptor and methods for the diagnosis and treatment of body
weight disorders
Patent: US 6403552-A 27 11-JUN-2002;
Location/Qualifiers
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0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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Sequence 25 from patent US 6482927.
AR256153.
GI:27305555
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Sequence 27 from patent US 6482927.
AR256155
AR266155.1 GI:27305557
17 bp | Sequence 27 from patent US 6403552.
AR213318
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                                                AR213318.1 GI:23310501
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Unclassified.
Unclassified.
I (bases 1 to 17)
Tartaglia,L.A., Tepper,R.I., Culpepper,J.A. and White,D.W.
Ob receptor and methods for the diagnosis and treatment of body
weight disordars
Patent: US 640552-A.
Patent: US 640552-A.
Patent: US 640552-A.
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Unclassified.
Unclassified.
1 (bases I to 17)
Zwick,M.G., Edington,B.E., McSwiggen,J.A., Merlo,P.Ann.Owens.,
Guo,L., Skokut,T.A., Young,S.A., Folkerts,O. and Merlo,D.J.
Nucleic acid encoding delta-9 desaturase
Nucleic acid encoding delta-9
Patent: US 6150934-A 687 26-FEB-2002;
Location/Qualifiers
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                                                                Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.3e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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Sequence 687 from patent US 6350934.
AR196222.1 GI:20245659
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/mol_type="unassigned DNA"
1. .17
/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 25 from patent US 6403552.
AR213316.1 GI:23310499
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AR213318
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AR306243.1 GI:31695966
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llarity 88.2%; Pred. No. 1.3e+02;
Conservative 0; Mismatches 2; Indels
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                                      Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.3e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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1 (bases 1 to 17)
Tartaglia, L.A., Tepper, R.I. and Culpepper, J.A.
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Tarraglia, L.A., Tepper, R.I. and Culpepper, J.A.
Ob receptor
Patent: US 6506877-A 25 14-JAN-2003,
Location/Qualifiers
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Patent: US 6506877-A 27 14-JAN-2003;
Location/Qualifiers
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Sequence 25 from patent US 6548269.
AR306243
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Sequence 27 from patent US 6506877.
AR275112
AR275112.1 GI:29708053
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Sequence 25 from patent US 6506877.
AR275110
AR275110.1 GI:29708051
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/wol_type="genomic DNA"
 /organism="unknown"
/mol_type="genomic DNA"
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/organism="unknown"
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Unknown.
Unclassified.
I (bases I to 17)
Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.
Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.
Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
related to levels of vascular endothelial growth factor receptor
Patent: US 6566127-A 3543 20-MAY-2003;
Location/Qualifiers
Unkincent.
Unkincent.
Unkincent.
Unclassified.
1 (bases 1 to 17)
1 Tartgalia,L.A., Tepper,R.I. and Culpepper,J.A.
Tartgalia,L.A., Tepper,R.I. and culpepper,J.A.
Ob receptor and methods for the diagnosis and treatment of body weight disorders, including obesity and cachexia patent: US 6540269-A 25 15-APR-2003;
Location/Qualifiers
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Tartaglia,L.A., Tepper,R.I. and Culpepper,J.A.
Ob receptor and methods for the diagnosis and treatment of body weight disorders, including obesity and cachexia Patent: US 6548x69-A 27 15-APR-2003;
Location/Qualifiers
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88.2%; Pred. No. 1.3e+02;
ative 0; Mismatches 2; Indels
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ilarity 88.2%; Pred. No. 1.38+02;
Conservative 0; Mismatches 2;
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Sequence 27 from patent US 6548269.
AR306245.1 GI:31695968
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Best Local Similarity 88.2
Matches 15, Conservative
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PAT 20-FEB-2004

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Polymuclectide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 1895 03-FEB-2004; Location/Qualifiers
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                                                             1 (bases 1 to 17)
Tartaglia, L.A., Tepper, R.I., Culpepper, J.A. and White, D.W.
Methods of identifying compounds that modulate body weight using
the OB receptor
Patent: US 6395498-A 27 28-MAY-2002;
Location/Qualifiers
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
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1 (bases 1 to 17)
6(Y. Y. Ji,Y. Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Su,A.T.
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88.2%; Pred. No. 1.38+02;
tive 0; Mismatches 2; Indels
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88.2%; Pred. No. 1.3e+02;
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/wol_type="genomic DNA"
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/mol_type="genomic DNA"

    17 / Organism="unknown"
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Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 656127-A 4182 20-MAY-2003;
Location/Qualifiers
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Methods of identifying compounds that modulate body weight using
the OB receptor
Patent: US 6395498-A 25 28-MAY-2002;
Location/Qualifiers
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88.2%; Pred. No. 1.3e+02;
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Sequence 4182 from patent US 6566127.
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Sequence 27 from patent US 6395498.
AR371633.
G1:34608618
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Sequence 25 from patent US 6395498.
AR371631. GI:34608616
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/mol_type="unassigned RNA"
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/mol_type="genomic DNA"
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Unknown.
Unclassified.
I (bases I to 17)
I (bases I to 17)
Shannon, M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: US 6686188-A 7355 03-FEB-2004;
Location/Qualifiers
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: US 6686188-A 7485 03-FEB-2004;
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                                                                                                                                                 Sequence 7355 from patent US 6686188. AR463678
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Sequence 7485 from patent US 6686188.
AR463808 GI:42698865
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/wol_type="genomic DNA"
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Matches 15; Conservative
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Unclassified.
1 (bases 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,W.E.
Shannon,W.E.
prodominant, an myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 8661 03-FEB-2004;
                                                                                                                                                                               Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 8558 03-FEB-2004; Location/Qualifiers
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Sequence 8661 from patent US 6686188.
AR46464984.
AR464984.1 GI:42700041
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Sequence 8568 from patent US 6686188.
AR464891
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1 (bases 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 9688 03-FEB-2004;
Location/Qualifiers
                                                                                                                                                                                                                 Polynuciectide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 668138-A 6877 03-FEB-2004; Location/Qualifiers
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Unclassified.
1 (bases 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
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88.2%; Pred. No. 1.3e+02;
tive 0; Mismatches 2;
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Sequence 9689 from patent US 6686188.
AR466012
                                           AR466010 17 bp DNA
Sequence 9687 from patent US 6686188.
AR466010 GI:42701067
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Sequence 9688 from patent US 6686188.
AR466011
                                                                                                                                                                                                                                                                                          /organism="unknown"
/mol_type="genomic DNA"
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/organism="unknown"
/mol_type="genomic DNA"
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Best Local Similarity 88.2
Matches 15; Conservative
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Unclassified.
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AR466012/C
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                RESULT 234
AR466010/c
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.B.

Polymucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: US 6686188-A 8663 03-FEB-2004;
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Gu,Y., J1,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
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                                                                          Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.3e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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/mol_type="genomic DNA"
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/mol_type="genomic DNA"
                                             /mol_type="genomic DNA"
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/organism="unknown"
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 Location/Qualifiers
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Matches 15; Conservative
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Unclassified.
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AR464987
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FEATURES
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Method and reagent for the inhibition of erg
Patent: WO 0188124-A 876 22-NOV-2001;
RIBOZYME PHRAMACEUTICALG, INC. (US); GLAXO GROUP LIMITED (GB)
Location/Qualifiers
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Bllis, J.H.
Method and reagent for the inhibition of grid
Patent: WO 0162911-A 440 30-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED
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                           Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.3e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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iive 0; Mismatches 2;
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88.2%; Pred. No. 1.3e+02;
ative 0; Mismatches 2;
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Sequence 876 from Patent WO0188124.
AX422540
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Sequence 440 from Patent WO0162911.
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/db_xref="taxon:9606"
/note="Nucleic Acid"
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         Shannon, M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 9689 03-FEB-2004;
Location/Qualifiers
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Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
patent: WO 0159103-A 1053 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
McSwiggen, James (US) ; Chowrira, Bharat M. (US)
Location/Qualifiers
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Patent: WO 0159103-A 1885 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US)
MCSwiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
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0.8%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2;
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/organism="synthetic construct"
/mol_type="unassigned RNA"
/db_xref="teaxon:32630"
/noTe="Nucleic Acid"
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Sequence 1053 from Patent W00159103.
AX215611. GI:15525654
AX215611.1 GI:15526654
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/organism="unknown"
/mol_type="genomic DNA"
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Sequence 1885 from Patent
AX216443
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synthetic construct
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Best Local Similarity 88.2
Matches 15; Conservative
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AX216443/c
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Human kidney tumor overexpressed membrane protein 1

Patent: WO 0224750-A 510 28-MAR-2002;

Acomica, Inc. (US)

Location/Qualifiers
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Human kidney tumor overexpressed membrane protein 1

Patent: WO 0224750-A 511 28-MAR-2002;

Aeomica, Inc. (US)

Location/Qualifiers
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                                                                  Zhang,J.
Human kidney tumor overexpressed membrane protein
Patent: WO 0224750-A 509 28-MAR-2002;
Aeomica, Inc. (US)
Location/Qualifiers
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Sequence 510 from Patent W00224750.
AX475289
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/organism="Homo sapiens"
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Best Local Similarity
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   Homo sapiens
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Method and reagent for the inhibition of erg
Patent: WO 0188124-A 1782 22-NOV-2001;
RIBOZYWE PHARMACEUTICALS, INC. (US) '; GLAXO GROUP LIMITED (GB)
LOCATION/Qualifiers
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0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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Human kidney tumor overexpressed membrane protein 1
Patent: WO 0224750-A 508 28-MAR-2002;
Aeomica, Inc. (US)
Location/Qualifiers
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88.2%; Pred. No. 1.3e+02;
tive 0; Mismatches 2; Indels
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Sequence 1782 from Patent WO0188124.

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/db_xref="taxon:9606"

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Seguence 508 from Patent WO0224750.
AX475287
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequence 509 from Patent W00224750.
AX475288.1 GI:22214573
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Homo sapiens
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Matches 15; Conservative
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AX475288
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                                  PAT 12-AUG-2002
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Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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Human kidney tumor overexpressed membrane protein
Patent: WO 0224750-A 941 28-MAR-2002;
Aeomica, Inc. (US)
Location/Qualifiers
                                      linear
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Sequence 748 from Patent EP1229046.
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/db_xref="taxon:9606"
                     AX475720
Sequence 941 from Patent W00224750.
AX475720
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Location/Qualifiers
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Best Local Similarity
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AX499442
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AX499441
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Human kidney tumor overexpressed membrane protein 1 Human kidney tumor overexpressed membrane protein 1 Human kidney wO 0224750-A 514 28-MAR-2002;
Petent: WO 0224750-A 514 28-MAR-2002;
Aeomica, Inc. (US)
Location/Qualifiers
                                                Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.3e+02; Matches 15; Conservative 0; Mismatches 2; Indel8
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Human kidney tumor overexpressed membrane protein 1

Human kidney tumor overexpressed membrane protein 1

Human kidney tumor overexpressed membrane protein 1

Aeomica, Inc. (US)

Location/Qualifiers
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Seguence 514 from Patent WO0224750.
AX475293
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequence 512 from Patent WO0224750.
AX475291.1 GI:22214576
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DEFINITION ACCESSION VERSION KEYWORDS

RESULT 247

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AX475293 LOCUS

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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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88.2%; Pred. No. 1.3e+02;
tive 0; Mismatches 2; Indels
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                             Query Match 0.8%; Score 13.8; DB 1; Length 1 Best Local Similarity 88.2%; Pred. No. 1.3e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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Sequence 1453 from Patent EP1281758.
AX688721
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Aeomica, Inc. (US)
Location/Qualifiers
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Acomica, Inc. (US)
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/organism="Homo sapiens"
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/db_xref="taxon:9606"

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    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

/db_xref="taxon:9606"
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Location/Qualifiers
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AX688721/c
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AX690667
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Memo sapiens
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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88.2%; Pred. No. 1.38+02;
tive 0; Mismatches 2; Indel8
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18.2%; Pred. No. 1.3e+02;
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Human testis expressed patched like protein
Patent: EP 1229046-A 1238 07-AUG-2002;
Acomica, Inc. (US)
Location/Qualifiers
                                               Human testis expressed patched like protein
Patent: BP 1229046-A 749 07-AUG-2002;
Aeomica, Inc. (US)
Location/Qualifiers
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Sequence 1238 from Patent EP1229046.
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Aeomica, Inc. (US)
Location/Qualifiers
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Sequence 690 from Patent EP1281758.
AX687958
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AX499931.1 GI:23382224
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Matches 15; Conservative
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Homo sapiens
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Best Local Similarity 88.2
Matches 15; Conservative
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                                 Zhan, J.
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AX499931
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                 Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and the use thereof as medicaments 477-MAR-2003; Patent: WO 30305177-A 484 27-WAR-2003; Molecular Engines Laboratories (FR)
                                                                                                                    Telerman, A., Amson, R. and Tuijnder, M. Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as medicines
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0.8%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2;
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Pred. No. 1.3e+02;
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Sequence 50 from Patent WO03040369.
AX756729
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/db_xref="taxon:9606"

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    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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AX731740.1 GI:30511083
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Homo sapiens
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                                    Homo sapiens (human)
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Best Local Similarity 88.27
The Local Similarity 15. Conservative
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AX756729/c
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                                                                          PAT 08-MAY-2003
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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                                                                                                                                                                                                                                                  Telerman, A., Amson, R. and Tuijnder, M.
Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as medicines
Patent: WO 03025176-A 4884 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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18.2%; Pred. No. 1.3e+02;
ve 0; Mismatches 2; Indels
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                                                                       Sequence 4884 from Patent WO03025176.
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Patent: WO 03025175-A 57 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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/mol_type="unassigned DNA"
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                                                                                                                                                                                                                                                                                                                                                                                          /organism="Mus musculus"
/mol_type="unassigned DNA"
/db xref="taxon:10090"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AX728423
Sequence 57 from Patent WO03025175.
AX728423
                                                                                                                                                                Mus musculus (house mouse)
Mus musculus
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Homo sapiens
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Best Local Similarity 88.2
Matches 15; Conservative
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Best Local Similarity 88.2'
Matches 15; Conservative
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AX727197
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AX728423/c
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PAT 20-APR-2002

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Unknown.
Unclassified.
1 (bases 1 to 15)
Fano,T.S. and Mikkelsen,F.
Subtilase variants having an improved wash performance on egg
stains
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                                                                                                                                                                                                                               1 (bases 1 to 15)
Vogelstein, B., Kinzler, K.W., Zhang, L. and Zhou, W.
Gene expression profiles in normal and cancer cells
Patent: US 6333152-A 783 25-DEC-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 0.8%; Score 13.4; DB 1;
Best Local Similarity 93.3%; Pred. No. 1e+02;
Matches 14; Conservative 0; Mismatches 1;
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synthetic construct
other sequences; artificial sequences.
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Sequence 783 from patent US 6333152.
AR180715.1 GI:20222748
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Location/Qualifiers
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Sequence 75 from patent US 6727085.
AR532147
                                                                                                                                                                                                                                                                                                                           /organism="unknown"
/mol_type="unassigned DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AX167089 15 bp
Sequence 75 from Patent WO0144452.
AX167089
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/organism="unknown"
/mol_type="genomic DNA"
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 15 GCCCAGCCAGGCCATG 1
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Unclassified.
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AR180715/c
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Telerman, A., Amson, R. and Tuijnder, M.
Sequences involved in tumoral suppression, tumoral reversion, apoptosis and/or viral resistance phenomena and their use as medicines
Retent: WO 03040369-A 50 15-MAY-2003, Molecular Engines Laboratories (FR)
Location/Qualifiers
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Unclassified.
E 1 (bases 1 to 15)
RS Vogelstein, B., Kinzler, K.W., Zhang, L. and Zhou, W.
Gene expression profiles in normal and cancer cells
Gene expression profiles in normal and cancer cells
Location/Qualifiers
                                                                                                                                                                                              0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.3e+02;
tive 0; Mismatches 2; Indels
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0.8%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 1e+02;
Matches 14; Conservative 0; Mismatches 1; Indels
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0.8%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 1e+02;
Matches 14; Conservative 0; Mismatches 1; Indels
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StinchComb.D.T., Draper,K.G. and McSwiggen,J.
Rel a targeted ribozymes
Patent: US 5658780-A 160 19-AUG-1997;
Location/Qualifiers
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161606
161606.1 GI:2479554
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Sequence 174 from patent US 6333152.
AR180106 GI:20222139
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
                                                                                                                                                                                                                                                                91 GGGAGAGTGGGCAGGTC 107
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Best Local Similarity 88.2°
Matches 15; Conservative
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Length 15;

PAT 03-JUL-2001

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Indels

Length 16;

PAT 16-MAY-2001

linear

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Unclassified.
Unclassified.
1 (bases 1 to 16)
Neri,B., Dong,F., Lyamichev,V., Brow,M.Ann.D. and Fors,L.
Target-dependent reactions using structure-bridging
oligonucleotides
Patent: US 6194149-A 67 27-FEB-2001;
Location/Qualifiers
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Neri,B., Dong,F., Lyamichev,V., Brow,M.Ann.D. and Fors,L.
Target-dependent reactions using structure-bridging
oligonuclectides
Patent: US 6194149-A 68 27-FEB-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.8%; Score 13.4; DB 1; Length 1
Best Local Similarity 93.3%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 1; Indels
        0.8%; Score 13.4; DB 1; 93.3%; Pred. No. 1.2e+02; ative 0; Mismatches 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DNA
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                                                                                                                                                                                         DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16 bp 1
Sequence 68 from patent US 6194149.
AR131575
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1. .16
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                                                                                                                                                                                        AR131574 16 bp D
Sequence 67 from patent US 6194149.
AR131574
                                                                                                                                                                                                                                                                                                                                                                                                                       1. .16
/organism="unknown"
/mol_type="unassigned DNA"
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AR131575.1 GI:14120478
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        Query Match 0.8°
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Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J.,
Mcswiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
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Subtilase variants having an improved wash performance on egg
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Unclassified.
1 (bases 1 to 16)
Wang, C.-G. and Hepburn, A.G.
Genetic sequence assay using DNA triple strand formation
Patent: US 5861244-A 32 19-JAN-1999;
Location/Qualifiers
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93.3%; Pred. No. 1e+02;
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/organism="synthetic construct"

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           stains
Patent: WO 014452-A 75 21-JUN-2001;
Novozymes A/S (DK)
Location/Qualifiers
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Sequence 3103 from Patent EP1260586.
AX635964.1 GI:28471578
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AR029843
AR029843.1 GI:5943057

    .15
    /organism="unidentified"
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    /db_xref="taxon:32644"

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/wol_type="unassigned DNA"
                                                                                                             /mol_type="unassigned DNA"
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/note="Antisense primer"
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Length 16;

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PAT 19-APR-2004

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Patent: US 635437-A 68 12-MAR-2002;
Location/Qualifiers
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Neri,B., Dong,F., Lyamichev,V., Brow,M.Ann.D. and Fors,L.
Target-dependent reactions using structure-bridging
Oligomiclectides
Patent: US 6358691-A.67 19-WAR-2002;
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                                                                         0.8%; Score 13.4; DB 1; Length 16; 93.3%; Pred. No. 1.2e+02; tive 0; Mismatches 1; Indels
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                1. .16
/organism="unknown"
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Sequence 68 from patent US 6385437.
AR199509.1 GI:20249583
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AR200979 AR200979.1 GI:20251867
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/mol_type="unassigned DNA"
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AR200979
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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1 (bases 1 to 16)

Neri, B., Dong, F., Lyamichev, V., Brow, M.Ann. D. and Fors, L.
Target-dependent reactions using structure-bridging
oligonucleotides
Patent: US 6355437-A 67 12-MAR-2002;
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Best Local Similarity 93.3%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 1; Indels
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                                                                                                          Chimeric recombinant protein and in vitro diagnosis Patent: WO 2004027066-A 11 01-APR-2004; Biomerieux (FR)
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Sequence 67 from patent US 6355437.
AR199508
AR199508.1 GI:20249582

    .16
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/mol_type="unassigned DNA"
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CQ796994.1 GI:46408576
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Length 16;

PAT 18-JUN-2002

linear

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Lyamichev, V., Allawi, H., Dong, F., Neri, B.P. and Vener, I.T. Nucleic acid accessible hybridization sites Patent: WO 019837-A 68 27-DEC-2001; THIRD WAVE TECHNOLOGIES, INC. (US)
                                                                                                                                                                                                                                                                                                                                                                                                                                          Lyamichev, V., Allawi, H., Dong, F., Neri, B.P. and Vener, I.T. Nucleic acid accessible hybridization sites Patent: WO 0198371-A67 27-DEC-2001; THIRD WAVE TECHNOLOGIES, INC. (US) Location/Qualifiers
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Best Local Similarity 93.3%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 1;

    .16. /organism="synthetic construct"
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other sequences; artificial sequences.
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Patent: US 6709815-A 68 23-MAR-2004;
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Sequence 67 from Patent WO0198537.
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/organism="unknown"
/mol_type="genomic DNA"
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AX419731.1 GI:21524098
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Unclassified.
1 (Dess 1 to 16)
Dong,F., Lyamichev,V.I., Frudent,J.R., Fors,L., Neri,B.P.,
Bong,F., Lyamichev,V.I.Anderson,T.A. and Dahlberg,J.E.
Target-dependent reactions using structure-bridging
oligonucleotides
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Dong, F., Lyamichev, V.I., Prudent, J.R., Fors, L., Neri, B.P.,
Dong, F., Lyamichev, V.I., Prudent, J.R., Fors, L., Neri, B.P.,
Brow, M. A.D., Anderson, T.A. and Dahlberg, J.E.
Target-dependent reactions using structure-bridging
oligonucleotides
Patent: US 6709815-A 67 23-WAR-2004;
Location/Qualifiers
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Target-depender reactions using structure-bridging
oligonucleotides
Patent: US 6388691-A 68 19-MAR-2002;
Location/Qualifiers
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Sequence 68 from patent US 6709815.
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                16 bp 1
Sequence 68 from patent US 6358691.
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/organism="unknown"
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Sequence 67 from patent US 6709815.
AR488738 11:47254936
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PR 05-MAY-1997 US 08/851588,19-SEP-1997 US 08/934097 PR 03-MAR-1998 US 09/034205
PI FANG DONG, VICTOR I LYAMICHEV, JAMES R PRUDENT, LANCE FORS, BRUCE PI P NERI.
PI MARY ANN D BROW, TODD A ANDERSON, JAMES E DAHLBERG PC CO7H21/04, C07H21/04, C0
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I (bases 1 to 16)
Fukao,T., Yamaguchi,S., Orii,T., Schutgens,R.B., Osumi,T. and Hashimoto,T.
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Location/Qualifiers
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/organism='Unidentified'.
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Brow, M. A. D. , Anderson, T. A. and Dahlberg, J. B. P. ,

Brow, M. A. D. , Anderson, T. A. and Dahlberg, J. B. Dong, F. , Lyamichev, V. I. , Prudent, J. R. , Fors, L. , Neri, B. P. ,

Brow, M. A. D. , Anderson, T. A. and Dahlberg, J. B. Target-dependent reactions using structure-bridging oligonucleotides

L Patent: JP 2001523111-A 67 20-NOV-2001;

THIRD WANTE TECHNOLOGIES INC
OS Unidentified

PN JP 2001523111-A/67

PN JP 2001523111-A/67

PR 05-MAY-1998 US 08/85188, 19-SEP-1997 US 08/934097 PR 05-MAY-1998 US 08/85188, 19-SEP-1997 US 08/934097 PR 03-MAY-1998 US 09/034205

PI FANG DONG, VICTOR I LYAMICHEV, JAMES R PRUDENT, LANCE FORS, BRUCE PI P NERI,

PN MRY ANN D BROW, TODD A ANDERSON, JAMES E DAHLBERG PC COTH21/04, COTH21/02, C12Q1/68

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S Dong, F., Lyamichev, V.I., Prudent, J.R., Fors, L., Neri, B.P., Brow, M.A.D., Anderson, T.A. and Dahlberg, J.E., Target-dependent reactions using structure-bridging oligonucleotides
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/organism='Unidentified'.
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    .16
    /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

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Arabidopsis thaliana T-DNA flanking sequence, left border, clone
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Arabidopsis thaliana (thale cress)
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Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                              0.8%; Score 13; DB 1; Length 15; 86.7%; Pred. No. 1.2e+02; ive 1; Mismatches 1; Indels
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    15. 15
/organism="Homo sapiens"
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Sequence 11 from Patent W00212499.
AX377347.1 GI:19573633
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00.0%; Pred. No.
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AJS51605.1 GI:29367738
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          GI:5996518
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(S Balzergue.S.

Direct Submission

Submitted (21-NOV-2002) Balzergue S., UMRGV, INRA/CNRS, 2 rue

Submitted (21-NOV-2002) Balzergue S., UMRGV, INRA/CNRS, 2 rue

Submitted (21-NOV-2002) Evy cedex, FRANCE

Gaston Cremieux, 91057 Evy cedex, FRANCE

plants from INRA (Versailles). The DNA fragment(s) resulting from

the PCR were directly sequenced from the left or the right border

to determine the genomic sequence flanking the insertion. T-DNA

derived sequences were removed. Information to order the

corresponding mutant line and a link to a database providing a

graphical display of the insertion site are available at

http://dbsgap.versailles.inra.fr/publiclines/. This sequence has

been generated in the framework of the French plant genomics

program 'Genoplante' (http://www.genoplante.com and

http://genoplante-info.infobiogen.fr).
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Method and nucleic acids for the improved treatment of breast cell
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/db_rare="128060"
/clone="128060"
/clone="128060"
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100.0%; Pred. No. 1.2e+02;
ative 0; Mismatches 0;
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Patent: WO 2004035803-A 203 29-APR-2004;
Epigenomics AG (DE)

    .15
/note="T-DNA flanking sequence
left border"

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CQ806753

    .16
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EMBO Rep. 3 (12), 1152-1157 (2002)
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Homo sapiens
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Best Local Similarity 100.
Matches 13; Conservative
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1 (bases 1 to 16)

Goodearl, A.D.J. and Glucksmann, M. Alexandra.

Methods for detecting nucleic acid molecules encoding a member of the muscarinic family of receptors

Patent: US 6093545-A 25 25-JUL-2000;
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/organism="synthetic construct"
/mol type="unassigned DNA"
/db_xref="taxon:12630"
/note="Description of Artificial Sequence: synthetic oligonucleotide"
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Method for treating synovial sarcoma
Patent: WO 2004020668-A 146 11-MAR-2004;
Oncotherapy Science, Inc. (JP); The University of Tokyo (JP)
Location/Qualifiers
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An antisense oligonucleotide preparation method
Patent: BP 08565/9-A 289 05-AUG-1998;
BIOGNOSTIK GES (DE)
Location/Qualifiers
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CQ786338 GI:45721440
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synthetic construct
other sequences; artificial sequences.

    16.
    /organism="unidentified"
    /mol_type="unassigned DNA"
    /db_xref="taxon:32644"

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Sequence 25 from patent US 6093545.
AR104209.
AR104209.1 GI:12816917
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/organism="unknown"
/mol_type="unassigned DNA"
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87.5%; Pred. No. 1.5e+02;
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E 1 (bases 1 to 16)
S Brysch, W. and Schlingensiepen, K.
AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
L PATENT: WO 9833904-A 289 06-AUG-1998;
BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
Location/Qualifiers
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unclassified.
1 (bases 1 to 16)
Brysch, W. and Schlingensiepen, K.
AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
PARENT: WO 9833904-A 1583 06-AUG-1998;
BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
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                                                  DNA
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Sequence 1583 from Patent WO9833904.
A89435 GI:6738005
                                           16 bp 1
Sequence 289 from Patent WO9833904.
A88141.
A88141.1 GI:6736711

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Sequence 289 from Patent BP0856579.
A90108
A90108.1 GI:6738622
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Brysch, W.D. and Schlingensiepen, K.D.
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/db_xref="taxon:32644"

    .16
    /organism="unidentified"

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PAT 11-APR-2003
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Method and diagnostic kit for the molecular diagnosis of
pharmacologically relevant genes
Patent: WO 031837-A 133 06-MAR-2003;
Adnagen AG (DE)
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0.8%; Score 12.8; DB 1; Length 16;
Best Local Similarity 87.5%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels
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Brca-1 regulators and methods of use
Patent: WO 0170982-A 58 27-SEP-2001;
Immusol Incorporated (US); Beger, Carmela (DE)
Location/Qualifiers
                                                                           Beger, C., Barber, J. and Wong-Staal, F.
Brca-1 regulators and methods of use
Patent: WO 0170982-A 24 27-SEP-2001;
Immusol Incorporated (US); Beger, Carmela (DE)
Location/Qualifiers
                                                                                                                                                                                    /organism="synthetic construct"
/mol type="unasaigned RNA"
/db xref="texon:32630"
/note="Synthetic oligonucleotide"
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Sequence 133 from Patent W003018837.
AX713247
                                           other sequences; artificial sequences
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AX255637
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/organism="Homo sapiens"
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                                                                                                                                                                                                                                                                              1 (bases 1 to 16)
Zwick, M.G., Edington, B.E., McSwiggen, J.A., Merlo, P.Ann. Owens., Gwo, L., Skokut, T.A., Young, S.A., Folkerts, O. and Merlo, D.J. Nucleic acid encoding delta-9 desaturase
Patent: US 6350934-A 522 26-FEB-2002;
Location/Qualifiers
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0.8%; Score 12.8; DB 1; Length 16;
Best Local Similarity 87.5%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels
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    1. 16
    /organism="synthetic construct"
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    /db xref="taxon:32630"
    /noTe="MPF2"

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AR196058.1 GI:20245495
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Goodearl, A.D.J., Glucksmann, A.M., Xie.M. and Distefano, P. Goodearl, A.D.J., Glucksmann, A.M., Xie.M. and Distefano, P. G protein-coupled receptor and utilization thereof

MILLERNIUM PHARMACEUTICALS INC
OS Unidentified
NN JP 2001525174-A/9
PP 04-DEC-1997 US 08/985090,17-MAR-1998 US 09/042780 PI
PP 04-DEC-1997 US 08/985090,17-MAR-1998 US 09/042780 PI
ANDERN D J GOODEARL, ALEXANDRA M GLUCKSWANN, MICHAEL XIE, PETER PI
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PC CI2N15/09,CO7K14/705,CO7K16/28,CI2N5/10,CI2P21/02,CI2Q1/68//
PC CI2N15/09,CO7K14/705,CO7K16/28,CI2N5/10,CI2P21/02,CI2Q1/68//
PC CT2D010GY: Linear;
CC TOPOLOGY: Linear;
CC G Protein-coupled receptor and utilization thereof FH Key
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30-JAN-1998 JP 1998532533
31-JAN-1997 EP 97101531.8
ALL HERMANN SCHLINGENSIEPEN, WOLFGANG BRYSCH
CIZNIS-JI, CO7H21/04, ASIK31/70
An antisense oligonucleotide preparation method FH
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1 (bases 1 to 16)
Schlingensiepen, K.H. and Brysch, W.
An antisense oligonucleotide preparation method
Patent: JP 2001511000-A 1583 07-AUG-2001;
BIOGNOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
OS UNknown JP 2001511000-A/1583
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Schlingensiepen, K.H. and Brysch, W.
An antisense Oligonucleotide preparation method
Patent: JP 2015511000-A 289 07-AUG-2001;
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30-JAN-1998 JP 1998532533
30-JAN-1997 BP 971015313
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1 ABK18229 1 ABK19135 1 AAD38269 1 AAD38271 1 ACN08391								1 ACA06298 1 ACA06394																													1 AAX31728	ABK3268	1 ABX01805 1 ABX01805
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RT-PCR primer HP6. Hepatitis B virus HCV DNAzyme substr HCV DNAzyme substr HCW BNAzyme autstr HUMAN GDMLP-1 prob	Human GDMLP-1 prob Human GDMLP-1 prob Human GDMLP-1 prob	PCR primer to gene Human PCR primer S	Human Vbeta point	IGFEPS OLIGORIUCIEO	Stress tolerance c Stress tolerance c	(A	Mutant cell identi Mutant cell identi	11111	Delta-9 desaturase	Murine obR gene to Synthetic DNA frag	oligonu	Antisense oligonuc Human IL-2 recepto	taf subst	Human adenosine Al	4 g	Hepatitis C virus	Human adenosine Al Human adenosine Al	Human adenosine Al	Hammerhead ribozym	Human NOGO Zinzyme Human NOGO Inozyme	Mouse ObR genomic	DNA sequencing met	Human GRID NCH rib	Mouse Ob receptor	Mouse obesity rece Mouse obesity rece	Human GDMLP-1 17-m	Human GDMLP-1 17-m	Human GDMLP-1 17-m Himan GDMLP-1 17-m	Human GDMLP-1 17-m	Ruman GDMLP-1 17-m Human GDMLP-1 17-m	Human GDMLP-1 17-m	Human GDMLP-1 17-m Human GDMLP-1 17-m	Human GDMLP-1 17-m	Human KTOM1a porti Human KTOM1a porti	Human KTOMIa porti	Human KTOMIa porti	KTOM1a	HTPL 80	Human HTPL scannin Human HTPL scannin
17 1 ADL18587 17 1 ADR55611 17 1 AD184297 17 1 AD185767 17 1 ACN77133	1, 71, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	1111	10.0	112	11.	17.	17 1	17 1	17 1	17 1	17 1	17 1	17 1	17 1	17 1	17 1	17 1	17 1	17 1	17 1	17 1	17 1	17 1	17.	17 1 17 1	17 1	17 1	17 1	17 1	17 1	17 1	17 1	17 1	17 1	17 1	17 1	17 1	17 1	17 1
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Producing sub-population of labeled nucleic acids, useful for analyzing differences in RNA profiles between several different physiological sources, using set of distinct gene specific primers.
                                                                                 Primer; ss; DNA microarray; differential expression analysis; human.
                                                                Human gene specific PCR primer #747.
         ABK66659 standard; DNA; 26
                                                                                                                          US6352829-B1.
                                                                                                                                                                                  21-MAY-1997;
                                             02-JUL-2002
                          ABK66659;
ABK66659
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      Sequence ID# (Sequence ID# 67 fr
Triple hellx third
Heparitis C virus
Heparitis C virus
Nucleic acid analy
Nucleic acid analy
                                                                         Linker peptide enc
E. coli nicking ag
E. coli fingerprin
E. coli strain K12
Human survivin gen
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The partial amino acid sequences of both chains of the Cytolysis Inhibitor were known. This probe is one of two which were prepared based on the N-terminal sequences of the inhibitor. It corresponds to the sequence DNEL/DEMSNYG. Both probes were radioactively labelled and used to screen a liver-specific cDNA library. One clone which hybridised positively to both probbes was found to contain a 1.7kb BamHI-KpnI fragment. This was inserted into plasmid pGEM4, to give DSM 5269, and sequenced. See also AAQ11502 and AAQ11503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                            DNA sequence coding for cytolysis inhibitor - is strong inhibitor of terminal complement protein, e.g. perforin secreted by killer cells.
                                                                                                                                                                                                                                                       Probe based on amino acids 6-15 of the Cytolysis Inhibitor A-chain.
                                                                                                                                                                                                                                                                       cytolysis inhibitor; perforin; immunological effector molecule;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GACAATGAGCTCCAGGAAATGTCCAATCAGGG 160
                                                                                                                                              ALIGNMENTS
                            AAX14645
ABL46101
                                             ABL46100
ADK82290
ADK82291
                                                                           ADM80152
                                                                                                ADR32430
                                                                                                          ADR33575
                                                                                                                  ADR69939
                   AAV70489
                                                                                      4DR32381
ABX01804
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                                                                                                                                                                                              AAQ11501 standard; DNA; 32 BP.
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ses 29; Conserv
                                                                                                                                                                                                                                                                                   infertility; 88
                                                                                                                                                                                                                                                                                                       Homo sapiens
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 129
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Bibilashvilli

Chenchik A, Jokhadze G,

WPI; 2002-314699/35.

(CLON-) CLONTECH LAB

99US-00225928 97US-00859998

05-JAN-1999;

05-MAR-2002.

Homo sapiens.

(first entry)

Example 3; SEQ ID NO 747; 11pp; English.

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The invention relates to producing a sub-population of labeled nucleic acids (NAs) comprising contacting a NA sample from a physiological conditions to enzymatically generate sub-population of NAs, where each conditions to enzymatically generate sub-population of NAs, where each labeled NA is generated using a single gene specific primer. The each labeled NA is generated using a single gene specific primer. The method is useful for producing a sub-population of labeled NAs which is useful for analysing the differences in the RNA profiles between several different physiological sources, where the method comprises producing subpopulation of labeled NAs for the different physiological sources, comprising the populations for each physiological sources, comprising the population, where the comparison is preferably comprising the population where the comparison is preferably comprising the patterns for each of the distinct physiological sources to an array of probe NAs stably associated with the surface of a substrate to produce a hybridisation pattern for each of the sources, where comparing the patterns for each of the sources, where comparison assays are utilised in differential comparing the patterns for each of the sources, where cissue, or different issue or sublissue types. The present sequence is a comman sequence data for this patent did not form part of the printed comparing the pattern for formed formed formed formed in the method of the invention. Note: The sequence data for this patent did not form part of the printed sequence.
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16;
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Pred. No.
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100.0%; Pre
0; N
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ABK6660/c
ID ABK6660 standard; DNA;
AC ABK6660;
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les 26; Conserv
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gacaargagcrecaggagargrecaaccaggg 32

RESULT 2

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The invention relate to a method of diagnosing (M1) non-blood disease such as solid tumor by providing peripheral blood sample of human having con-blood disease, and comparing an expression profile of specific genes in the peripheral blood sample to reference expression profile of the conservation of the genes is differentially expressed in peripheral blood sample to reference expression profile of the compared to PBMCs of normal humans. The method is useful for diagnosing non-blood disease such as solid tumor. The solid tumor is chosen from con-blood disease such as solid tumor. The solid tumor is chosen from con-blood sample (CC) prostate cancer and head/neck cancer. The peripheral blood sample (Cained). (M1) is useful for identifying sample is a whole blood sample (claimed). (M1) is useful for identifying isolated at differentially expressed in peripheral blood samples. Second of sample is a whole blood sample (claimed). (M2) second samples. Second or second samples is a second sample claimed. Second or second samples is a second tumor solid tumors. This sequence corresponds to a probe to second second
                      se; diagnosis; non-blood disease; solid tumor; gene expression;
peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Trepicchio WL, Dorner A,
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                                                        peripheral blood mononuclear cell; renal cell can
head/neck cancer; differential expression; probe.
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100.0%; Pred. No. ...
0, Mismatches
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                                                                                                                                                                                                                                                                                                                              21-NOV-2003; 2003WO-US037481
                                                                                                                                                                                                                                                                                                                                                                                          21-NOV-2002; 2002US-0427982P.03-APR-2003; 2003US-0459782P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Burczynski ME,
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TWINE N C.
BURCZYNSKI M E
TREPICCHIO W L
DORNER A.
STOVER J A.
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                                                                                                                                                                                                         WO2004048933-A2
                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                     10-JUN-2004.
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Sloni DK;
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(TWIN/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Producing sub-population of labeled nucleic acids, useful for analyzing differences in RNA profiles between several different physiological sources, using set of distinct gene specific primers.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         invention relates to producing a sub-population of labeled nucleic
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                                                                                                                                                Primer; 88; DNA microarray; differential expression analysis; human.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               at http.wipo.seqdata.uspto.gov/sequence.html?DocID=6352829B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1.5%; Score 25; DB 1; Length 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 25 BP; 6 A; 8 C; 7 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Pred. No. 19; ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Chenchik A, Jokhadze G, Bibilashvilli R;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 3; SEQ ID NO 748; 11pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GTACTATCTGCGGGTCACCACGGTG 1
                                                                                     Human gene specific PCR primer #748.
                                                                                                                                                                                                                                                                                                                                                                                             99US-00225928.
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                            02-JUL-2002 (first entry)
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Best Local Similarity lov...
Since 25, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (CLON-) CLONTECH LAB INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2002-314699/35.
                                                                                                                                                                                                                                                                        US6352829-B1
                                                                                                                                                                                                                                                                                                                                                                                             05-JAN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         21-MAY-1997;
                                                                                                                                                                                                            Homo sapiens
                                                                                                                                                                                                                                                                                                                                 05-MAR-2002.
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The invention relate to a method of diagnosing (M1) non-blood disease cuch as solid tumor by providing peripheral blood sample of human having non-blood disease, and comparing an expression profile of specific genes in the peripheral blood sample to reference expression profile of the compared to the genes is differentially expressed in peripheral blood ample to reference expression profile of the compared to PBMCs of normal humans. The method is useful for diagnosing compared to PBMCs of normal humans. The method is useful for diagnosing non-blood disease such as solid tumor. The solid tumor is chosen from renal cell carcinoma (RCC), prostate cancer and head/neck cancer. The peripheral blood sample comprises enriched PBMCs. The peripheral blood sample (claimed). (M1) is useful for identifying genes that are differentially expressed in peripheral blood sample (sand) contained). (M2) is useful for identifying isolated at different stages of progression, development or treatment of RCC and/or other solid tumors. This sequence corresponds to a probe to detect a gene that is differentially expressed and detected by the method
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peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer; head/neck cancer; differential expression; probe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Stover JA;
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Pred. No. 19;
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100.0%; Pre
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TWINE N C.
BURCZYNSKI M E
TREPICCHIO W I
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es 25; Conserv
                                                                                                                                                                                                                                                                                                                                                                                 DORNER A.
STOVER J A
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                                                                                                       WO2004048933-A2
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                                                                  Homo sapiens,
                                                                                                                                                 10-JUN-2004.
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                                                                                                                                                                                                                                                                                                                                                                               (DORN/) (STOV/) (SLON/)
                                                                                                                                                                                                                                                                                                AMHP )
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ss; diagnosis; non-blood disease; solid tumor; gene expression; peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer; head/neck cancer; differential expression; probe.
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19;
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BURCZYNSKI M E
TREPICCHIO W L.
DORNER A.
STOVER J A.
SLONI D K.
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                                                                                        Homo sapiens
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(BURC/) E
(TREP/) 1
(DORN/) I
(STOV/) S
(SLON/) S
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SLONI D K.
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             Homo sapiens
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Sloni DK;
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(TREP/)
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head/neck cancer; differential expression; probe.
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head/neck cancer; differential expression; probe.
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ilarity 100.0%; Pr
Conservative 0;
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                                                                                                                                                             TWINE N C.
BURCZYNSKI M E.
TREPICCHIO W L.
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Best Local Similarity
Matches 25; Conserv
                                                                                                                                                                                                                         SLONI D K.
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                                              WO2004048933-A2
                         Homo sapiens
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(TREP/)
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The invention relate to a method of diagnosing (M1) non-blood disease such as solid tumor by providing peripheral blood sample of human having con-blood disease, and comparing an expression profile of specific genes in the peripheral blood sample to reference expression profile of the conses, where each of the genes is differentially expressed in peripheral blood sample to reference expression profile of the compared to PBMCs of normal humans. The method is useful for diagnosing non-blood disease such as solid tumor. The solid tumor is chosen from compared to PBMCs of normal humans. The solid tumor is chosen from conspicul arcinoma (RCC), prostate cancer and head/neck cancer. The peripheral blood sample (claimed). (M1) is useful for identifying genes that are differentially expressed in peripheral blood sample (claimed). (M1) is useful for identifying genes that are different stages of progression, development or treatment of RCC and/or other solid tumors. This sequence corresponds to a probe to detect a gene that is differentially expressed and detected by the method
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Pred. No. 19;
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100.0%; Pred. No. ...
0, Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Burczynski ME, Trepicchio WL,
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21-NOV-2003; 2003WO-US037481
                                                                      21-NOV-2002; 2002US-0427982P
03-APR-2003; 2003US-0459782P
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BURCZYNSKI M E
TREPICCHIO W L
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STOVER J A.
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Trepicchio WL, Dorner A, Stover JA;

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The invention relate to a method of diagnosing (M1) non-blood disease such as solid tumor by providing peripheral blood sample of human having non-blood disease, and comparing an expression profile of specific genes in the peripheral blood sample to reference expression profile of the genes, where each of the genes is differentially expressed in peripheral blood monounclear cells (PBMCs) of patients having the disease as compared to PBMCs of normal humans. The method is useful for diagnosing non-blood disease such as solid tumor. The solid tumor is chosen from peripheral blood sample comparises enriched PBMCs. The peripheral blood sample comprises enriched PBMCs. The peripheral blood sample (Claimed). (M1) is useful for identifying sense that are differentially expressed in peripheral blood samples is and/or other solid tumors. This sequence corresponds to a probe to detect a gene that is differentially expressed and detected by the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                          Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
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                                                                                     21-NOV-2003; 2003WO-US037481.
                                                                                                                         21-NOV-2002; 2002US-0427982P.
03-APR-2003; 2003US-0459782P.
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Sloni DK;
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TWINE N C.
BURCZYNSKI M I
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                                                                                                                                                                                                                                                                                     (SLON/) SLONI D K.
                    WO2004048933-A2,
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(STOV/)
                                                                                                                                                                                                                  (BURC/)
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1.5%; Score 25; DB 1; Length 25;
Best Local Similarity 100.0%; Pred. No. 19;
Matches 25; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                         Dorner A,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; SEQ ID NO 1326; 350pp; English.
                                                                                                                                                                                                                                                                                                                                       Trepicchio WL,
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                                                                                                      21-NOV-2003; 2003WO-US037481
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BURCZYNSKI M E
TREPICCHIO W I
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                               WO2004048933-A2
Homo sapiens
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                                                                   10-JUN-2004
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                                                                                                                                                                                                                                                                                 (STOV/)
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                                                                                                                                                                                                                             (BURC/)
(TREP/)
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ADP14585
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0; Indels
                             1397 AGATGTGGATGTTGCTTTTGCACCT 1421
                                                       Agardrachirachirachach
                                                                                                                                 ADP14587 standard; DNA; 25
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1.5%; Score 25; DB 1; Length 25;

Stover JA;

(TWIN/) (BURC/) (TREP/) (DORN/) (STOV/)

(AMHP)

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The invention relate to a method of diagnosing (MI) non-blood disease

C such as solid tumor by providing peripheral blood sample of human having

CC non-blood disease, and comparing an expression profile of specific genes

In the peripheral blood sample to reference expression profile of the

C in the peripheral blood sample to reference expression profile of the

C compared to PBMCs of normal humans. The method is useful for diagnosing

C compared to PBMCs of normal humans. The method is useful for diagnosing

C compared to PBMCs of normal humans. The solid tumor is chosen from

C compared to PBMCs of normal humans. The solid tumor is chosen from

C compared to PBMCs of normal humans. The solid tumor is chosen from

C compared to PBMCs of normal humans. The solid tumor is chosen from

C compared to the sample compities enriched PBMCs. The peripheral blood

C sample is a whole blood sample (claimed). (MI) is useful for identifying

C sense that are differentially expressed in peripheral blood samples

C isolated at different stages of frogression, development or treatment of

C C and/or other solid tumors. This sequence corresponds to a probe to
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tive 0; Mismatches
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                                                                         21-NOV-2003; 2003WO-US037481
                                                                                                                         21-NOV-2002; 2002US-0427982P.
03-APR-2003; 2003US-0459782P.
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TWINE N C.
BURCZYNSKI M E.
HREPICCHIO W L.
DORNER A.
STOVER J A.
SLONI D K.
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                         10-JUN-2004
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Sloni DK;
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(TWIN/)
(BURC/)
(TREP/)
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ADP14584
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                                                                                                                                                21-NOV-2002; 2002US-0427982P.
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BURCZYNSKI M E
TREPICCHIO W L
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STOVER J A.
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WO2004048933-A2.
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                                                10-JUN-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                  Twine NC,
Sloni DK;
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Gaps

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RESULT 12

ð 셤 Trepicchio WL, Dorner A, Stover JA;

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Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
                                                                                                                                                                                                                                                                                             Disclosure; SEQ ID NO 1322; 350pp; English
          21-NOV-2003; 2003WO-US037481
                                    21-NOV-2002; 2002US-0427982P
                                              03-APR-2003; 2003US-0459782P
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                                                                         WYETH.
TWINE N C.
BURCZYNSKI M E
TREPICCHIO W L
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                                                                                                                         DORNER A. STOVER J A.
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                                                                                                                                        (STOV/) (SLON/)
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                                                                                    (TWIN/)
(BURC/)
                                                                         (AMHP)
                                                                                                                           DORN/)
                                                                                                                (TREP/)
                                                                                                                                                                                            Sloni
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ADP14588
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                                                                                                                                                                                                                                                                                                                              The invention relate to a method of diagnosing (M1) non-blood disease such as solid tumor by providing peripheral blood sample of human having non-blood disease, and comparing an expression profile of specific genes in the peripheral blood sample to reference expression profile of the genes in the peripheral blood sample to reference expression profile of the genes, where each of the genes is differentially expressed in peripheral compared to PBMCs of normal humans. The method is useful for diagnosing non-blood disease such as solid tumor. The solid tumor is chosen from non-blood disease such as solid tumor. The solid tumor is chosen from non-blood disease such as solid tumor. The solid tumor is chosen from peripheral blood sample comprises enriched PBMCs. The peripheral blood sample comprises enriched PBMCs. The peripheral blood sample is a whole blood sample (dalmed). (M1) is useful for identifying genes that are differentially expressed in peripheral blood samples is solid tumors. This sequence corresponds to a probe to detect a gene that is differentially expressed and detected by the method
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                                                                                                                                                                                                                                                         Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
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                                                                                                                                                                                            Trepicchio WL, Dorner A,
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                                                                                                                                                                                                                                                                                                             Disclosure; SEQ ID NO 1320; 350pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.5%; Score 25;
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                         21-NOV-2003; 2003WO-US037481.
                                                    2002US-0427982P
                                                                03-APR-2003; 2003US-0459782P
                                                                                                                                                                                           Twine NC, Burczynski ME, Sloni DK;
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Matches 25; Conservative
                                                                                                   TWINE N C.
BURCZYNSKI M E.
TREPICCHIO W L.
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                                                                                                                                        DORNER A.
STOVER J A.
                                                                                                                                                                   SLONI D K.
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                                                    21-NOV-2002;
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  10-JUN-2004
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                                                                                                    (TWIN/) (BURC/) E
(TREP/) T
(DORN/) I
(STOV/) SLON/) E
                                                                                        (AMHP)
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The invention relate to a method of diagnosing (M1) non-blood disease such as solid tumor by providing peripheral blood sample of human having non-blood disease, and comparing an expression profile of specific genes in the peripheral blood sample to reference expression profile of the genes, where each of the genes is differentially expressed in peripheral compared to PBMCs of postlents having the disease as blood monounclear calls (PBMCs) of patients having the disease as compared to PBMCs of normal humans. The method is useful for diagnosing non-blood disease such as solid tumor. The solid tumor is chosen from renal call carcinoma (RCC), prostate cancer and head/neck cancer. The peripheral blood sample comprises enriched PBMCs. The peripheral blood sample is a whole blood sample (M1) is useful for identifying genes that are differentially expressed in peripheral blood samples is isolated at different stages of progression, development or treatment of RCC and/or other solid tumors. This sequence corresponds to a probe to detect a gene that is differentially expressed and detected by the method
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The invention relate to a method of diagnosing (M1) non-blood disease such as solid tumor by providing peripheral blood sample of human having non-blood disease, and comparing an expression profile of specific genes in the peripheral blood sample to reference expression profile of the genes, where each of the genes is differentially expressed in peripheral captures and nonnuclear calls (PBMCs) of patients having the disease as blood mononuclear calls (PBMCs) of patients having the disease as non-blood disease such as solid tumor. The solid tumor is chosen from renal call carcinoma (RCC), prostate cancer and head/neck cancer. The peripheral blood sample comprises enriched PBMCs. The peripheral blood sample (claimed). (M1) is useful for identifying genes that are differentially expressed in peripheral blood samples is solid tumors. This sequence corresponds to a probe to detect a gene, that is differentially expressed and detected by the method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ss; diagnosis; non-blood disease; solid tumor; gene expression; peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer; head/neck cancer; differential expression; probe.
                                                                                                                                                                                                                                                                                Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
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               21-NOV-2002; 2002US-0427982P.
03-APR-2003; 2003US-0459782P.
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                                                                             TWINE N C.
BURCZYNSKI M E
TREPICCHIO W L
DORNER A.
STOVER J A.
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Sloni DK;
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                                                                                                                               (DORN/)
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peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer;
head/neck cancer; differential expression; probe.
                                                                                                                                                                                                                                                                                              Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
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                                                                                                                                                                                                                  Dorner A,
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                                                                                                                                                                                                                  Trepicchio WL,
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                               21-NOV-2002; 2002US-0427982P.
03-APR-2003; 2003US-0459782P.
21-NOV-2003; 2003WO-US037481
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                                                                                         TWINE N C.
BURCZYNSKI M E.
TREPICCHIO W L.
                                                                                                                                             DORNER A.
STOVER J A.
SLONI D K.
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(TREP/)
(DORN/)
(STOV/)
                                                                                 AMHP )
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Gaps .. 0

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such as solid tumor by providing peripheral blood sample of human having
non-blood disease, and comparing an expression profile of specific genes
in the peripheral blood sample to reference expression profile of the
genes, where each of the genes is differentially expressed in peripheral
blood monounclear cells (PBMCs) of patients having the disease as
compared to PBMCs of normal humans. The method is useful for diagnosing
non-blood disease such as solid tumor. The solid tumor is chosen from
cenal cell carcinoma (RCC), prostate cancer and head/neck cancer. The
peripheral blood sample comprises enriched PBMCs. The peripheral blood
sample is a whole blood sample (claimed). (MI) is useful for identifying
genes that are differentially expressed in peripheral blood samples
isolated at different stages of progression, development or treatment of
RCC and/or other solid tumors. This sequence corresponds to a probe to
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ss, diagnosis, non-blood disease; solid tumor; gene expression;
peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer;
head/neck cancer; differential expression; probe.
                                                                                                                                                                                 Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
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                                                                                                                           Burczynski ME, Trepicchio WL, Dorner A, Stover JA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 25 BP; 8 A; 6 C; 7 G; 4 T; 0 U; 0 Other;
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21-NOV-2002; 2002US-0427982P. 03-APR-2003; 2003US-0459782P.
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                                           TWINE N C.
BURCZYNSKI M E
TREPICCHIO W L
                                                                             DORNER A.
STOVER J A.
                                                                                                                                                             WPI; 2004-460799/43
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Best Local Similarity
                                                                             (DORN/) DORNER A.
(STOV/) STOVER J A
(SLON/) SLONI D K.
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Sloni DK;
                               AMHP )
                                                       (BURC/)
(TREP/)
                                                                                                                                          Sloni
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The invention relate to a method of diagnosing (M1) non-blood disease

such as solid tumor by providing peripheral blood sample of human having

con-blood disease, and comparing an expression profile of specific genes

in the peripheral blood sample to reference expression profile of the

connected to PBMCs of the genes is differentially expressed in peripheral

blood monnoulear cells (PBMCs) of patients having the disease as

compared to PBMCs of normal humans. The method is useful for diagnosing

non-blood disease such as solid tumor. The solid tumor is chosen from

compared to PBMCs of normal humans. The solid tumor is chosen from

compared to EMMCs of normal humans. The solid tumor is chosen from

compared to BMCs of normal humans. The solid tumor is chosen from

compared to BMCs of normal humans. The solid tumor is chosen from

compared to EMMCs. The peripheral blood

sample is a whole blood sample (claimed). (M1) is useful for identifying

genes that are differentially expressed in peripheral blood samples

contacted at different stages of progression, development or treatment of

RCC and/or other solid tumors. This sequence corresponds to a probe to

detect a gene that is differentially expressed and detected by the method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                        Stover JA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ..
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1.5%; Score 25; DB 1; Length 25; 100.0%; Pred. No. 19; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                        Dorner A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 25 BP; 4 A; 4 C; 9 G; 8 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; SEQ ID NO 1317; 350pp; English
                                                                                                                                                                                                                                                                                                                                                                                    Trepicchio WL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1256 TGAGGTGGTCGTGAAGCTCTTTGAC 1280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21-NOV-2003; 2003WO-US037481.
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03-APR-2003; 2003US-0459782P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              26-AUG-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                        Burczynski ME,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     25; Conservative
                                                                                                 TWINE N C.
BURCZYNSKI M E
TREPICCHIO W I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-460799/43.
                                                                                                                                                                                                                          DORNER A. STOVER J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                       SLONI D K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO2004048933-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10-JUN-2004.
                                                                                                                                                                                                                                                                                                                                                                                    Twine NC,
Sloni DK;
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Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.

Freier SM;

BP,

Monia

WPI; 2002-404805/43.

Example 13; Page 80; 125pp; English

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The invention relate to a method of diagnosing (MI) non-blood disease such as solid tumor by providing peripheral blood sample of human having non-blood disease, and comparing an expression profile of specific genes in the peripheral blood sample to reference expression profile of the genes compared to the genes is differentially expressed in peripheral blood monourclear cells (PBMCs) of patients having the disease as compared to PBMCs of normal humans. The method is useful for diagnosing non-blood disease such as solid tumor. The solid tumor is chosen from con-blood disease such as solid tumor. The solid tumor is chosen from creal cell carcinoma (RCC), prostate cancer and head/neck cancer. The peripheral blood sample (claimed). (MI) is useful for identifying genes that are differentially expressed in peripheral blood samples constanted at different stages of progression, development or treatment of RCC and/or other solid tumors. This sequence corresponds to a probe to detect a gene that is differentially expressed and detected by the method contains.
                                                                                                                                                                                                                                                                                                                                        Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
                                                                                                                                                                                                                      Stover JA;
                                                                                                                                                                                                                      Dorner A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 25 BP; 5 A; 9 C; 4 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure, SEQ ID NO 1327; 350pp; English.
                                                                                                                                                                                                                   Trepicchio WL,
                                                                                                                                                                                                                   Burczynski ME,
                                 TWINE N C.
BURCZYNSKI M E.
TREPICCHIO W L.
DORNER A.
STOVER J A.
                                                                                                                                                                                                                                                                                            WPI; 2004-460799/43
                                                                                                                                                                       SLONI D K.
                                                                                                                                                                                                                      Twine NC,
                                                                                                                                                                                                                                                Sloni DK;
                                                                   (BURC/)
(TREP/)
(DORN/)
(STOV/)
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Gaps
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     1.5%; Score 25; DB 1; Length 25;
                                Indels
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                   100.0%; Pred. No. 19; cive 0; Mismatches
                                                             1562 CTAACACTCGACTCTGCTGCTCATG 1586
                                                                                      CTAACACTCGACTCTGCTGCTCATG 25
Query Match
Best Local Similarity 100.
Matches 25; Conservative
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Human; antisense inhibition; antisense oligonucleotide; clusterin; hypercholesterolaemia; cardiovascular disorder; ss; PCR; primer; hyperproliferative disorder; hyperlipidemic disorder.
                   ABN99658 standard; DNA; 23 BP.
                                                                              Human clusterin PCR primer 2.
                                                          16-AUG-2002 (first entry)
                                                                                                                                                           WO200222635-A1.
                                                                                                                                          Homo sapiens
                                                                                                                                                                               21-MAR-2002
                                       ABN99658;
RESULT 20
          ABN99658,
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10-SEP-2001; 2001WO-US028235. 11-SEP-2000; 2000US-00659791

(ISIS-) ISIS PHARM INC.

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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with hyperpoliferative disorders, and hyperplaining, and hyperplaining and physeriptidemic disorders. The present DNA sequence represents a PCR primer used to amplify the human clusterin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              a phosphorothioate backbone throughout, in which: (a) sugars on nucleotide residues 1-4 and 18-21 are 2'-O-methoxyethyl modified, and the remaining nucleotides 5-17 are 2'-deoxy; and (b) the cytosines at positions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence ACF36398 (I) is used: (a) to delay progression of androgen-senaitive prostatic cancer cells to the androgen-independent state, in vivo or in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TRPM-2; testosterone-repressed prostate message-2; cytostatic; RT-PCR; androgen; prostate cancer; anti-apoptotic protein; antisense; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to a compound consisting of an oligonucleotide with
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2.
                                                                                                                                                                                                                                                                                        Gaps
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                                                                                                                                                                                                                                               Score 23; DB 1; Length 23;
Pred. No. 28;
                                                                                                                                                                                                                                                                                        0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human TRPM-2 cDNA amplifying RT-PCR antisense primer.
                                                                                                                                                                                                         Sequence 23 BP; 5 A; 6 C; 5 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Nelson C,
                                                                                                                                                                                                                                  Query Match
1.4%; Score 23; DB
Best Local Similarity 100.0%; Pred. No. 28;
                                                                                                                                                                                                                                                                                                                                789 CTTGAGATGATACACGAGGCTCA 811
                                                                                                                                                                                                                                                                                                                                                         23 CTTGAGATGATACACGAGGCTCA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 13; Page 20; 44pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22-FEB-2002; 2002US-00080794.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                          411/c
ACF36411 standard; DNA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ACF36411;
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                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 21
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The invention relates to a compound consisting of an oligonucleotide with a phosphorothicate backbone throughout, in which: (a) sugars on nucleotide residues 1-4 and 18-21 are 2'-O-methoxyethyl modified, and the remaining nucleotides 5-17 are 2'-Geoxy, and (b) the cytosines at positions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence of prostatic cancer cells to the androgen-independent state, in vivo or in viro; (b) to treat prostatic cancer (after initially withdrawing androgens to induce apoptosis); and (c) to increase sensitivity of cancer cells (prostatic, renal, non-small cell lung, urothelial transitional, canta and some breast cancer calls) that express abnormal levels of TRPM-2 to chemotherapy or radiation. The modifications present in (1) increase stability in vivo and activity (both in vivo or in vitro) and increase stability in vivo and activity (both in vivo or in vitro) and create appears or other antisense oligonucleotides directed against other antiapoptotic genes. The present sequence represents a RT-
                                                                                                                                                                                                                                                                                                                                          ö
vitro; (b) to treat prostatic cancer (after initially withdrawing androgens to induce apoptosis); and (c) to increase sensitivity of cancer cells (prostatic, renal, non-small cell lung, urothelial transitional, ovarian and some breat cancer cells) that express abnormal levels of TRPM-2 to chemotherapy or radiation. The modifications present in (I) increase stability in vivo and activity (both in vivo or in vitro) and result in a synergistic increase in effect when (I) is used with chemotherapeutic agents or other antisense oligonucleotides directed against other antiapopotic genes. The present sequence represents a RT-PCR primer for amplifying the anti-apoptotic protein TRPM-2 (testosterone-repressed prostate message-2) cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TRPM-2; testosterone-repressed prostate message-2; cytostatic; RT-PCR;
androgen; prostate cancer; anti-apoptotic protein; antisense; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2.
                                                                                                                                                                                                                                                                                                                                            Gaps
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                                                                                                                                                                                                                                                          Sequence 23 BP; 7 A; 8 C; 4 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human TRPM-2 cDNA amplifying RT-PCR sense primer.
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                                                                                                                                                                                                                                                                                                 1.4%; Score 23; DB 100.0%; Pred. No. 28; Live 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                 957 AAGTGCCGGGAGATCTTGTCTGT 979
                                                                                                                                                                                                                                                                                                                                                                                                            23 AAGIGCCGGGAGAICTIGILL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 13; Page 20; 44pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ACF36410 standard; DNA; 23 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                        23; Conservative
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                                                                                                                                                                                                                                                                                                                       Best Local Similarity
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                                                                                                                                                                                                                                                                                                 Query Match
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PCR primer for amplifying the anti-apoptotic protein TRPM-2 (testosterone-repressed prostate message-2) cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                                                                                                                                                                                                                                                                Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity, radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human; reverse transcription; RT-PCR; primer; ss.
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100.0%; Pred. No. 28;
cive 0; Mismatches 0; Indels
                                                                           DB 1; Length 23; 28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Zellweger T;
                                                                                                           0; Indels
                                                Sequence 23 BP; 11 A; 3 C; 4 G; 5 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                      Human TRPM-2 amplifying antisense RT-PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Nelson C,
                                                                                                           Mismatches
                                                                             Score 23;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; SEQ ID NO 17; 14pp; English.
                                                                                                                                         177 AAGGAAATTCAAAATGCTGTCAA 199
                                                                                                                                                        AAGGAAATTCAAAATGCTGTCAA 23
                                                                  1.4%; Scc.
100.0%; Pred
0; N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Miyake H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               25-FEB-2000; 2000WO-US004875.
28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      28-SEP-2001; 2001US-00967726.
                                                                                                                                                                                                                                  .082/c
ADM83082 standard; DNA; 23
                                                                                                                                                                                                                                                                                                        (first entry)
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                                                                                                           23; Conservative
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RENNIE P S.
MIYAKE H.
NELSON C.
ZELLWEGER T.
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                                                                           Query Match
Best Local Similarity
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Matches 23; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US2003158130-A1.
                                                                                                                                                                                                                                                                                                        03-JUN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21-AUG-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gleave M,
                                                                                                                                                                                                                                                                           ADM83082;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GLEA/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (MIYA/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RENN/)
                                                                                                         Matches
                                                                                                                                                                                                                   RESULT 23
                                                                                                                                                                                                                                 ADM83082/
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10828394-1 1-1643.rng.sl

RESULT 24

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The present sequence is a human clusterin cDNA target for a double-stranded short interfering RNA (siRNA) of the invention ADL/0522-ADL/0523. It was used in an example from the invention to demonstrate clusterin gene silencing in PC-3 prostate cancer cells. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. siRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplactic large cell lymphoma and melanoma, and also for the treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                                        RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 1; Length 23; 28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 23 BP; 5 A; 5 C; 7 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gleave ME, Signaevsky M, Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.4%; Score 23; DB 100.0%; Pred. No. 28; tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 6; SEQ ID NO 66; 63pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            46 GCATGATGAAGACTCTGCTG 68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GCATGATGAAGACTCTGCTGCTG 23
                                                                                  Human clusterin target for RNAi.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (UYBR-) UNIV BRITISH COLUMBIA.
                                                                                                                                                                                                                                                                                                                                                                                                                              03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                               21-AUG-2003; 2003WO-CA001277.
                                                                                                                                                                                                                                                                                                                                                                                                            21-AUG-2002; 2002US-0405193P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADL70512 standard; cDNA; 23
                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               23; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  disease or cancer
                                                                                                                                                                                                                                                                               WO2004018676-A2
                                                                                                                                                                                                                  Homo sapiens.
                                        20-MAY-2004
                                                                                                                                                                                                                                                                                                                         04-MAR-2004
                                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Jansen B,
Gonos ES;
ADL70521;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADL70512;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention provides a method for treating cancer in which cancer cells express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (FCC). The invention is also useful in antisense gene therapy. The present sequence is human testosterone-repressed prostate message-2 (TRPM -2), amplifying RT-PCR primer. The primer is used in the exemplification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                                                                                                                                                                                                                       Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity; raddation-sensitivity, prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human; reverse transcription; RT-PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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1.4%; Score 23; DB 1; Length 23;
Best Local Similarity 100.0%; Pred. No. 28;
Matches 23; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Zellweger T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 23 BP; 11 A; 3 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Miyake H, Nelson C,
                                                                                                                                                                                                                                                                            Human TRPM-2 amplifying sense RT-PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; SEQ ID NO 16; 14pp; English.
957 AAGTGCCGGGAGATCTTGTCTGT 979
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         177 AAGGAAATTCAAAATGCTGTCAA 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 AAGGAAATTCAAAATGCTGTCAA 23
                                        н
                          AAGTGCCGGGAGATCTTGTCTGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      25-FEB-2000; 2000WO-US004875.
28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           28-SEP-2001; 2001US-00967726
                                                                                                                                               ADM83081 standard; DNA; 23
                                                                                                                                                                                                                                      (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GLEAVE M.
RENNIE P S.
MIYAKE H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZELLWEGER T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2003-778017/73.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US2003158130-A1.
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                                                                                                                                                                                                                                    03-JUN-2004
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                                                                                                                                                                                         ADM83081;
                                      23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GLEA/) (RENN/)
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(NELS/) N
(ZELL/)
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Trougakos IP;

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Gaps

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Human clusterin target for RNAi.

BP.

ADL70521 standard; cDNA; 23

RESULT 25 ADL70521 ID ADL7 XX

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21-AUG-2003; 2003WO-CA001277.
                WO2004018676-A2
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                                       04-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    04-MAR-2004
                                                                                                                                                     Jansen B,
Gonos ES;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADL70518;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADL70518
     8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 엄
                                                                                                                                                                                                                                                                                                                                                 The present sequence is a human clusterin cDNA target for a double-stranded short interfering RNA (siRNA) of the invention ADL70513-DL70513-L t was used in an example from the invention to demonstrate clusterin gene silencing in PC-3 prostate cancer cells. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neutitic toxicity in mouse models of Alzheimer's disease. SiRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplaetic large cell lymphoma and melanoma, and also for the treatment
                                                                                                                                                                                                                                                                      New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin;
cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RNA interference, RNAi, short interfering RNA, siRNA; human, clusterin, cytostatic, neuroprotective, nootropic, gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                    Trougakos IP;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                    Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 23 BP; 5 A; 9 C; 3 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1.4%; Scor.
100.0%; Pred. No. ...
                                                                                                                                                                                                                                                                                                                               Example 6; SEQ ID NO 57; 63pp; English
                                                                                                                                                                                                                   Signaevsky M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            480 AACCAGAGCTCGCCCTTCTACTT 502
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 AACCAGAGCTCGCCCTTCTACTT 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human clusterin target for RNAi.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADL70515 standard; cDNA; 23 BP.
                                                                                                                                               21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                           (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                          21-AUG-2003; 2003WO-CA001277.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.
Matches 23; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Alzheimer's disease.
                                                                                                                                                                                                                  Gleave ME,
                                                                                                                                                                                                                                                  WPI; 2004-226852/21
                                                                                                                                                                                                                                                                                                         disease or cancer.
                                                                              WO2004018676-A2
                                              sapiens.
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Synthetic.
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                                                                                                    04-MAR-2004
                                                          Synthetic.
                                                                                                                                                                                                                  Jansen B,
                                                                                                                                                                                                                             Gonos ES;
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                                                                                                                                                                                                                                                                        New RNA
mediate
                                              Homo
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New RNA molecule less than 49 bases and having a sequence effective to mackiate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present sequence is a human clusterin cDNA target for a double-stranded short interfering RNA (siRNA) of the invention ADL70316-ADL70317. It was used in an example from the invention to demonstrate clusterin gene silenchig in PC-3 prostate cancer cells. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SiRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, prest cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RNA interference, RNAi, short interfering RNA; siRNA; human, clusterin, cytostatic, neuroprotective, nootropic, gene silencing, DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                           Gleave ME, Signaevsky M, Beraldi E, Trougakos IP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
0
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Pred. No. 28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 23 BP; 4 A; 9 C; 5 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Pred. No. 28;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 6; SEQ ID NO 60; 63pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         711 AAGICCCGCATCGTCCGCAGCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human clusterin target for RNAi.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   멾.
                                                                                                                                                                                                                (UYBR-) UNIV BRITISH COLUMBIA
                                                                    21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
21-AUG-2003; 2003WO-CA001277.
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Best Local Similarity luc..-
Best 23; Conservative
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Gaps

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The present sequence is a PCR primer for the porcine clusterin gene. Clusterin (also known as complement cytolysis inhibitor, sulfated glycoprotein-2, testosterone repressed prostate message-2, SP-40, 40 and ApoJ) is essential for the migration of vascular smooth muscle cells (VSMC). The gene and protein can, therefore, be used to promote wound healing, angiogenesis and vasculogenesis, in the treatment of stenosis following vascular trauma or disease and to treat atherosclerosis, and antisense sequences can be used to treat cancer, as angiogenesis is vital for tumour survival
                                                                                                                                                                                    The present sequence is a human chromosome 8p clustrin gene (CLI) specific PCR primer, which was used in the confirmation of the regional mapping of the human steroidogenesis acute regulatory protein (hStAR)
                                                        Isolated human steroidogenesis acute regulatory protein gene - used for detection of mutation(s) of this gene that cause congenital lipoid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Clusterin and gp38K-related peptide capable of altering cell migration useful for treating atherosclerosis, cancer and stenosis following
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pig, clusterin, cell migration, wound healing, anglogenesis, cancer, vascular trauma, vascular disease, atherosclerosis, restenosis, complement cytolysis inhibitor; SP-40; 40; apoJ; testosterone repressed prostate message-2; sulfated glycoprotein-2;
                                                                                                                                                                                                                                                                                                                1.3%; Score 21; DB 1; Length 21;
100.0%; Pred. No. 39;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 21 BP; 12 A; 2 C; 7 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                            Sequence 21 BP; 8 A; 5 C; 6 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (UYNY ) UNIV NEW YORK STATE RES FOUND.
                                                                                                                                                                                                                                                                                                                                                                                                          1354 AGAAAGCGCTGCAGGAATACC 1374
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure, Page 12, 43pp; English.
                                                                                                                                              Example 7; Page 51; 89pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Porcine clusterin PCR primer #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                   1 AGAAAGCGCTGCAGGAATACC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               vascular trauma or disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAA52783 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                               21; Conservative
                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2000-431300/37.
                  WPI; 1996-443130/44.
                                                                                                     adrenal hyperplasia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200034469-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              primer; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11-DEC-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  03-JAN-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAA52783;
                                                                                                                                                                                                                                                                                                                    Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PCR
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                                                                                                                                                                                                                                                                                                                                                                                                      The present sequence is a human clusterin cDNA target for a double-stranded short interfering RNA (siRNA) of the invention ADL70519-10510510. It was used in an example from the invention to demonstrate clusterin gene silencing in PC-3 prostate cancer cells. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate critical for neuritic toxicity in mouse models of Alzheimer's disease. siRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of
                                                                                                                                                                                                                                        New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Chromosome 8p clustrin gene (CL1) specific primer (nt 2504-2524)
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                                                                                                                                              Signaevsky M, Beraldi E, Trougakos IP;
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100.0%; Pred. No. 28;
ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                               Example 6; SEQ ID NO 63; 63pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1613 AACTAATTCAATAAAACTGTCTT 1635
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                                                                                                     (UYBR-) UNIV BRITISH COLUMBIA
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               21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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(UYPE-) UNIV PENNSYLVANIA.
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Les 23; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Alzheimer's disease.
                                                                                                                                                Gleave ME,
                                                                                                                                                                                                             WPI; 2004-226852/21
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                                                                                                                                                Jansen B,
Gonos ES;
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Query Match

Best Loca Matches

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RESULT 29 AAT39500

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The present sequence is an antisense oligonucleotide directed at the human testosterone-repressed prostate message-2 (TRPM-2, also known as olusterin, sulfated glycoprotein-2 or SGP-2). The sequence was shown to promote the regression of tumours, and oligonucleotides directed at human TRPM-2 can be used in the treatment of tumour cells expressing the TRPM-2 gene. These include prostate cancer, renal cell cancer and some breast cancer cells. In addition to this, they also increase the chemosensitivity of the cells, meaning that conventional chemotherapy is
                                                                                                                                                                                                                                                                                                                                                                        Treating prostatic tumors and renal cancers by antisense inhibition of the testosterone-repressed prostate messenger-2 gene.
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                                   Human; testosterone-repressed prostate message-2; TRPM-2; clusterin; sulfated glycoprotein-2; SGP-2; cancer; antisense oligonucleotide; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human testosterone-repressed prostate message-2 antisense oligo #6.
Human testosterone-repressed prostate message-2 antisense oligo #7.
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Pred. No. 39;
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100.0%; Pred. No. J...
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                                                                                                                                                                                                                                                                                                           Miyake H,
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                                                                                                                                                                                                                                                                                                                                             WPI; 2000-533132/48.
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tes 21; Conserv
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                                                                                                Homo sapiens
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                                                                 Gaps
                                                                                                                                                                                                                                                                                                                               Human testosterone-repressed prostate message-2 antisense oligo #3
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                             DB 1; Length 21; 39;
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                                                               0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Miyake H, Nelson C;
                             Query Match 1.3%; Score 21; DB Best Local Similarity 100.0%; Pred. No. 39; Matches 21; Conservative 0; Mismatches
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                                                                                                      274 AAGCCAAGAAGAAGAAGAGG 294
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Sequence 21 BP; 5 A; 6 C; 6 G; 4 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                         AAA94233;
                                        Query Match
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                                                                                                                                                                            human testosterone-repressed prostate message-2 (TRPM-2, also known as clusterin, sulfated glycoprotein-2 or SGP-2). The sequence was shown to promote the regression of tumours, and oligonucleotides directed at human TRPM-2 can be used in the treatment of tumour cells expressing the TRPM-2 gene. These include prostate cancer, renal cell cancer and some breast cancer cells. In addition to this, they also increase the chemosensitivity of the cells, meaning that conventional chemotherapy is
                                                         Treating prostatic tumors and renal cancers by antisense inhibition of the testosterone-repressed prostate messenger-2 gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Treating prostatic tumors and renal cancers by antisense inhibition of the testosterone-repressed prostate messenger-2 gene.
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sulfated glycoprotein-2; SGP-2; cancer; antisense oligonucleotide; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                             present sequence is an antisense oligonucleotide directed at the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human testosterone-repressed prostate message-2 antisense oligo #8.
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                                                                                                                                                                                                                                                                                                                                                                                                           1.3%; Score 21; DB 1; Length 21;
100.0%; Pred. No. 39;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                    Sequence 21 BP; 5 A; 5 C; 8 G; 3 T; 0 U; 0 Other;
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                                                                                                                         Example 5; Page 37; 38pp; English
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Matches 21; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Treating prostatic tumors and renal cancers by antisense inhibition of the testosterone-repressed prostate messenger-2 gene.
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                                                            Gaps
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1.3%; Score 21; DB 1; Length 21;
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iive 0; Mismatches 0; Indels
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ive 0; Mismatches 0; Indels
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                                                                                                                      1115 CTCCTTGCTGGAGCAGCTGAA 1135
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                                                               21; Conservative
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Nelson

Miyake H,

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Rennie PS,
Rennie PS,
                              WPI; 2000-533132/48.
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Gleave M,
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                                                                                                                                                                                                                                                                                                                        Treating prostatic tumors and renal cancers by antisense inhibition of the testosterone-repressed prostate messenger-2 gene.
                                          Human, testosterone-repressed prostate message-2; TRPM-2; clusterin; sulfated glycoprotein-2; SGP-2; cancer; antisense oligonucleotide; ss
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                Human testosterone-repressed prostate message-2 antisense oligo #5
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                                                                                                                                                                                                                                                                 Nelson C;
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Conservative 0; Mismatches
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Matches 21; Conserv
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The present sequence is an antisense oligonucleotide directed at the human testosterone-repressed prostate message-2 (TRPM-2, also known as clusterin, sulfated glycoprotein-2 or SGP-2). The sequence was shown to promote the regression of tumours, and oligonucleotides directed at human TRPM-2 can be used in the treatment of tumour cells expressing the TRPM-2 gene. These include prostate cancer, renal cell cancer and some breast cancer cells. In addition to this, they also increase the chemosensitivity of the cells, meaning that conventional chemotherapy is more effective
                                                                                                                                                                                                                         human testosterone-repressed prostate message-2 (TRPM-2, also known as clusterin, sulfated glycoprotein-2 or SGP-2). The sequence was shown to promote the regression of tumours, and oligomucleotides directed at human TRPM-2 can be used in the treatment of tumour cells expressing the TRPM-2 gene. These include prostate cancer, renal cell cancer and some breast cancer cells. In addition to this, they also increase the chemosensitivity of the cells, meaning that conventional chemotherapy is
Treating prostatic tumors and renal cancers by antisense inhibition of the testosterone-repressed prostate messenger-2 gene.
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                                                                                                                                                                                      present sequence is an antisense oligonucleotide directed at the in testosterone-repressed prostate message-2 (TRPM-2, also known as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human, testosterone-repressed prostate message-2; TRPM-2; clusterin; sulfated glycoprotein-2; SGP-2; cancer; antisense oligonucleotide; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1.3%; Scc...
100.0%; Pred. No. ...
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                                                                                                                    Claim 3; Page 36; 38pp; English
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human testosterone-repressed prostate message-2 (TRPM-2, also known as clusterin, sulfated glycoprotein-2 or SGP-2). The sequence was shown to promote the regression of tumours, and oligonucleotides directed at human TRPM-2 can be used in the treatment of tumour cells expressing the TRPM-2 gene. These include prostate cancer, renal cell cancer and some breast cancer cells. In addition to this, they also increase the chemospensitivity of the cells, meaning that conventional chemotherapy is
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                                                                 Human, testosterone-repressed prostate message-2; TRPM-2; clusterin; sulfated glycoprotein-2; SGP-2; cancer; antisense oligonucleotide; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present sequence is an antisense oligonucleotide directed at the
                              Human testosterone-repressed prostate message-2 antisense oligo #1.
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/standard name= "Single nucleotide polymorphism"
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Pred. No. 39;
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100.0%; Pred. No. ...
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Best Local Similarity 10v...
Best Local 21; Conservative
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                                                                                                                                                                                                                                                                                                                                Rennie PS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (revised)
                                                                                                                                                                                                                                                                                                                                                                  WPI; 2000-533132/48.
                                                                                                                                                       WO200049937-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               more effective
12-JAN-2001
                                                                                                                       Homo sapiens.
                                                                                                                                                                                                                                                             26-FEB-1999;
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06-JUN-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens
Unidentified
                                                                                                                                                                                          31-AUG-2000.
                                                                                                                                                                                                                                                                                                                                 Gleave M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Key
variation
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present sequence is an antisense oligonucleotide directed at the human testostezone-repressed prostate message-2 (TRBM-2, also known as clusterin, sulfated glycoprotein-2 or SGP-2). The sequence was shown to promote the regression of tumours, and oligonucleotides directed at human TRPM-2 can be used in the treatment of tumour cells expressing the TRPM-2 gene. These include prostate cancer, renal cell cancer and some breast cancer cells. In addition to this, they also increase the chemotherapy is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  antisense inhibition of
                                                                                                                                                                                                                                                                                                                                                                                Human, testosterone-repressed prostate message-2; TRPM-2; clusterin; sulfated glycoprotein-2; SGP-2; cancer; antisense oligonucleotide; ss.
                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                  Human testosterone-repressed prostate message-2 antisense oligo #4.
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                                             DB 1; Length 21;
39;
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Pred. No. 39;
                                                                                    Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Treating prostatic tumors and renal cancers by antise the testosterone-repressed prostate messenger-2 gene.
                  Sequence 21 BP; 1 A; 4 C; 12 G; 4 T; 0 U; 0 Other;
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                                                                    Local Similarity 100.0%; Pred. No. 39, nes 21; Conservative 0; Mismatches
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                                                  Score 21;
Pred. No.
                                                                                                                       1516 AGGCCCCCAACTCCGCCCAGC 1536
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100.0%; Pred
0; N
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                                                                                                                                             AGGCCCCCAACTCCGCCCAGC 1
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                                                                                                                                                                                                                                              AAA94228 standard; DNA; 21 BP
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Local Sim
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                                                  Query Match
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Best Loca Matches

8 유 AAA94225/c ID AAA94 XX XX AAA94 AC AAA94

RESULT 40

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Gaps

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Gargill M,
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                     WO200118250-A2
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Unidentified,
                                                           15-MAR-2001
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variation
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present invention provides a method of diagnosing a vascular disease in an individual, involving determining the sequence at various polymorphic sites within the human thrombospondin 1 and thrombospondin 4 genes. The sequences at number of polymorphic sites are also provided in the specification. In particular, the method can be used in the diagnosis of atherosclerosis, myocardial infarction, coronary heart disease, stroke, peripheral vascular diseases, venous thromboembolism and pulmonary embolism. Single nucleotide polymorphisms (SNPs) are also correlations to diseases. The present sequence is an example of one of the human gene SNPS shown in the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; variant thrombospondin 1; variant thrombospondin 4; SNP; polymorphism; vascular disease; coronary artery disease; forensics; myocardial infarction; atherosclerosis; stroke; venous thromboembolism; pulmonary embolism; paternity test; ds.
                                                                                                                                                                                                                                                               Mccarthy JJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                              applications such as forensics, paternity testing, medicine, genetic analysis and phenotype correlations to diseases such as diabetes and atherosclerosis.
                                                                                                                                                                                                                                                                                                                                           Nucleic acids comprising single nucleotide polymorphisms, useful in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Revised record issued on 18-NOV-2004 : The variantion feature was incorrectly given a captial \boldsymbol{V}
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/standard_name= "Single nucleotide polymorphism"
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                                                                                                                                                                                                  (WHED ) WHITEHEAD INST BIOMEDICAL RES.
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                                                                                                                    99US-0153357P.
                                                                                                                                    26-JUL-2000; 2000US-0220947P.
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(first entry)
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Best Local Similarity 100.
Matches 21; Conservative
                                                                                                                                                                                                                                                             Gargill M,
                                                                                                                                                                                                                                                                                                     WPI; 2001-226749/23
WO200118250-A2
                                                                                                                 10-SEP-1999;
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Unidentified
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06-JUN-2001
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variation
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88 X C C C C C C C C C X S X L L L L X Y X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X B X X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X
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The present invention provides a method of diagnosing a vascular disease in an individual, involving determining the sequence at various polymorphic sites within the human thrombospondin 1 and thrombospondin 4 genes. The sequences at a number of polymorphic sites are also provided in the specification. In particular, the method can be used in the diagnosis of atherosclerosis, myocardial infarction, coronary heart disease, stroke, peripheral vascular diseases, venous thromboembolism and pulmonary embolism. Single nucleotide polymorphisms (SNPs) are also correlations to diseases. The present sequence is an example of one of the human gene SNPS shown in the specification
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                                                                                                                                                                                                                              (WHED ) WHITEHEAD INST BIOMEDICAL RES.
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07-SEP-2000; 2000WO-US024503.
                                                                    10-SEP-1999; 99US-0153357P.
26-JUL-2000; 2000US-0220947P.
16-AUG-2000; 2000US-0225724P.
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4atches 21; Conservative
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Best Local Similarity
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                                                     15-MAR-2001
                                                                                                                                                                         Lander ES,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABN99659;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABN99659
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                               The present invention provides a method of diagnosing a vascular disease in an individual, involving determining the sequence at various polymorphic sites within the human thrombospondin 1 and thrombospondin 4 genes. The sequences at a number of polymorphic sites are also provided in the specification. In particular, the method can be used in the diagnosis of atherosclerosis, myocardial infarction, coronary heart disease, stroke, peripheral vascular diseases, venous thromboembolism and pulmonary embolism. Single nucleotide polymorphisms (SNPs) are also correlations to diseases. The present sequence is an example of one of the human gene SNPS shown in the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   polymorphism; vascular disease; coronary artery disease; forensics; myocardial infarction; atherosclerosis; stroke; venous thromboembolism; pulmonary embolism; paternity test; ds.
                                                                                                                                                               Mccarthy JJ;
                                                                                                                                                                                                      Nucleic acids comprising single nucleotide polymorphisms, useful in applications such as forensics, paternity testing, medicine, genetic analysis and phenotype correlations to diseases such as diabetes and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                   Revised record issued on 18-NOV-2004 : The variantion feature was
/standard_name= "Single nucleotide polymorphism"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; variant thrombospondin 1; variant thrombospondin 4; SNP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.3%; Score 21; DB 1; Length 21;
100.0%; Pred. No. 39;
iive 0; Mismatches 0; Indels
                                                                                                                                                              Daley GQ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 21 BP; 3 A; 9 C; 6 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human gene single nucleotide polymorphism #2420.
                                                                                                                                                              Bolk S,
                                                                                                                              WHITEHEAD INST BIOMEDICAL RES
                                                                                                                                                               Ireland JS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   999 CCCTCCCAGGCTAAGCTGCGG 1019
                                                                                                                                                                                                                                                              Example; Page 212; 242pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 cccrcccagecraagcraceg 21
                                                                                                                                                                                                                                                                                                                                                                                                                               incorrectly given a captial V
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ВР.
                                                               07-SEP-2000; 2000WO-US024503.
                                                                                              2000US-0220947P.
2000US-0225724P.
                                                                                                                                         (MILL-) MILLENNIUM PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAF97659 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity 100 tes 21; Conservative
                                                                                                                                                              Gargill M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (revised)
                                                                                                                                                                                    WPI; 2001-226749/23
                                                                                                                                                                                                                                         atherosclerosis.
                     WO200118250-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
Unidentified
                                                                                    10-SEP-1999;
                                                                                               6-JUL-2000;
                                                                                                          16-AUG-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       18-NOV-2004
06-JUN-2001
                                           15-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            variation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local S
Matches 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAF97659;
                                                                                                                             (WHED)
                                                                                                                                                               Lander
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 44
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The present invention provides a method of diagnosing a vascular disease in an individual, involving determining the sequence at various oblymorphic sites within the human thrombospondin 1 and thrombospondin 4 genes. The sequences at a number of polymorphic sites are also provided diagnosis of atherosclerosis, myocardial infarction, coronary heart disease, stroke, peripheral vascular diseases, venous thrombosmobilsm and pulmonary embolism. Single nucleotide polymorphisms (SNPs) are also pulmonary embolism. Single nucleotide polymorphisms (SNPs) are also correlations to diseases. The present sequence is an example of one of the human gene SNPS shown in the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mccarthy JJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Nucleic acids comprising single nucleotide polymorphisms, useful in applications such as forensics, paternity testing, medicine, genetic analysis and phenotype correlations to diseases such as diabetes and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human, antisense inhibition, antisense oligonucleotide, clusterin, hypercholesterolaemia, cardiovascular disorder; ss, PCR; probe, hyperproliferative disorder, hyperlipidemic disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Revised record issued on 18-NOV-2004 : The variantion feature was
/*tag= a
/standard_name= "Single nucleotide polymorphism"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
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100.0%; Pred. No. 39;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Daley GQ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 21 BP; 3 A; 9 C; 3 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bolk S,
                                                                                                                                                                                                                                                                                                                                                                                                                                        (WHED ) WHITEHEAD INST BIOMEDICAL RES. (MILL-) MILLENNIUM PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ireland JS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1105 TCAACACCTCCTCCTTGCTGG 1125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example; Page 213; 242pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 TCAACACCTCCTCCTTGCTGG 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   incorrectly given a captial V
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                                                                                                                                                                                                                                                                                                 10-SEP-1999; 99US-0153357P.
26-JUL-2000; 2000US-0220947P.
16-AUG-2000; 2000US-0225724P.
                                                                                                                                                                                                                                07-SEP-2000; 2000WO-US024503.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human clusterin PCR probe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABN99659 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gargill M,
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16 CCGAGGCGTGCAAAGACTCCA 36
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21 CCGAGGCGTGCAAAGACTCCA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (UYBR-) UNIV BRITISH COLUMBIA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          22-FEB-2002; 2002US-00080794.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20-FEB-2003; 2003WO-US005305
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ACF36405 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                antisense oligonucleotide
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                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
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                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2003-689981/65
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                     21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     04-SEP-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
     8X33333333333333333333333
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                              The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders. The present appears a persent a persent a persent appears a persent appears a persent appears a persent appears. NOTE: The present appears a persent a persent appears a persent a persent a persent appears. The present appears a persent a persent appears a persent a persent appears a persent a perse
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TRPM-2; testosterone-repressed prostate message-2; cytostatic; androgen; prostate cancer; anti-apoptotic protein; antisense; ss.
                                                                                                                                                                          Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 1, Length 21; 39;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 21 BP; 3 A; 10 C; 3 G; 5 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Nelson C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.3%; Score 21; DB
100.0%; Pred. No. 39;
ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                 dye (FAM) and a quencher dye (TAMRA)
                                                                                                                                                                                                                                                Example 13; Page 80; 125pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            786
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TRPM-2 antisense oligonucleotide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Miyake H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 TCCACGCCATGTTCCAGCCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          766 TCCACGCCATGTTCCAGCCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ACF36397 standard; DNA; 21 BP.
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10-SEP-2001; 2001WO-US028235
                                 11-SEP-2000; 2000US-00659791
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 100.
Matches 21; Conservative
                                                                   (ISIS-) ISIS PHARM INC
                                                                                                       Freier SM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Rennie PS,
                                                                                                                                          WPI; 2002-404805/43.
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                                                                                                       Monia BP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gleave M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
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a phosphorothicate backbone throughout, in which: (a) sugars on nucleotide residues 1-4 and 18-21 are 2'-0-methoxyethyl modified, and the nucleotide residues 1-4 and 18-21 are 2'-0-methoxyethyl modified, and the cremaining nucleotides 5-17 are 2'-deoxy; and (b) the cytosines at positions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence ACP36398 (I) is used: (a) to delay progression of androgen-sensitive control of androgen-sensitive control of androgen-sensitive control of androgen-sensitive control of the androgen-sensitive of control of the cytros; (b) to treat prostatic cancer (after initially withdrawing androgens to induce apoptosls); and (c) to increase sensitivity of cancer cells (prostatic, renal, non-small cell lung, urothelial transitional, covarian and some breast cancer cells) that express abnormal levels of TRPM-2 to chemotherapy or radiation. The modifications present in (1) increase stability in vivo and activity (both in vivo or in vitro) and result in a synergistic increase in effect when (I) is used with chemotherapeutic agents or other antisense oligonucleotides directed against other antispoptotic genes. The present sequence represents an anti-agnormal in TRPM-2 (testosterone-represeed prostate message-2)
invention relates to a compound consisting of an oligonucleotide with
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention relates to a compound consisting of an oligonucleotide with a phosphorothioate backbone throughout, in which: (a) sugars on nucleotide residues 1-4 and 18-21 are 2'-omethoxyethyl modified, and the remaining nucleotides 5-17 are 2'-deoxy; and (b) the cytosines at positions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence Acrisas98 (I) is useda: (a) to delay progression of androgen-sensitive prostatic cancer cells to the androgen-independent state, in vivo or in vitro; (b) to treat prostatic cancer (after initially withdrawing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 21; DB 1; Length 21;
Pred. No. 39;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 21 BP; 2 A; 6 C; 7 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.3%; Scor.
V 100.0%; Pred. No. >>,
'-- 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Miyake H, Nelson C,
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18-DEC-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                      ACF36399;
                                                                                                                                                                                                                                                                                                               RESULT 49
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      ខ្ពន្តទ
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androgens to induce apoptosis); and (c) to increase sensitivity of cancer cells (prostatic, renal, non-small cell lung, urothelial transitional, ovarian and some breast cancer cells) that express abnormal levels of TRPM-2 to chemotherapy or radiation. The modifications present in (I) increase stability in vivo and activity (both in vivo or in vitro) and result in a synergistic increase in effect when (I) is used with chemotherapeutic agents or other antisense oligonucleotides directed against coher antiapoptoric genes. Sequences ACF35399-406 represent antisense oligonucleotides targeted against human anti-apoptotic protein TRPM-2 (testosterone-repressed prostate message-2) gene
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                                                                                                                                                                                                                                              Sequence 21 BP; 4 A; 3 C; 6 G; 8 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TRPM-2 antisense oligonucleotide #12.
                                                                                                                                                                                                                                                                                                                                                                                 1316 CTCCAGGAAGAACCCTAAATT 1336
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                                                                                                                                                                                                                                                                                                                                                                                                        21 CTCCAGGAAGAACCCTAAATT 1
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nes 21; Conservative
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ACF36406/c
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antisense oligonucleotides targeted against human anti-apoptotic protein TRPM-2 (testosterone-repressed prostate message-2) gene
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                                                                                                                                                              Score 21; DB 1; Length 21;
Pred. No. 39;
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tive 0; Mismatches 0; Indels
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                                                                                                        Seguence 21 BP; 1 A; 4 C; 12 G; 4 T; 0 U; 0 Other;
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                                                                                                                                                                                              TRPM-2 antisense oligonucleotide #5.
                                                                                                                                                                                                                                                                                                             1516 AGGCCCCCAACTCCGCCCAGC 1536
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                                                                                                                                                                     Query Match
Best Local Similarity
Matches 21; Conserv
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Best Local Similarity
Matches 21; Conserv
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TRPM-2; testosterone-repressed prostate message-2; cytostatic; androgen; prostate cancer; anti-apoptotic protein; antisense; ss.

TRPM-2 antisense oligonucleotide #7.

(first entry)

18-DEC-2003

ACF36401;

ACF36401 standard; DNA; 21 BP

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100.0%; Pred. No. 39;
tive 0; Mismatches 0; Indels
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                                                                                                                                                                                    TRPM-2 antisense oligonucleotide #8
            114 GACCAGACGGTCTCAGACAAT 134
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                                  21 GACCAGACGCTCTCAGACAAT 1
                                                                                                      BP.
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                                                                                                      ACF36402 standard; DNA; 21
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Best Local Similarity 100..
The 21; Conservative
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                                                                                                                                                                                                                                                    Synthetic.
Homo sapiens.
                                                                                                                                                          18-DEC-2003
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                                                                                                                                 ACF36402;
                                                                                       RESULT 50
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New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2.

Example 5; Page 41; 44pp; English

Monia BP;

Nelson C,

Miyake H,

Gleave M, Rennie PS, WPI; 2003-689981/65.

(UYBR-) UNIV BRITISH COLUMBIA.

20-FEB-2003; 2003WO-US005305. 22-FEB-2002; 2002US-00080794.

WO2003072591-A1. Homo sapiens.

Synthetic

04-SEP-2003

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The invention relates to a compound consisting of an oligonuclectide with a phosphorothioate backbone throughout, in which: (a) sugars on nucleotide residues 1-4 and 18-21 are 2'-0-methoxyethyl modified, and the remaining nucleotides 5-17 are 2'-deoxy; and (b) the cytosines at positions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence positions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence created according to the androgen-sine of androgen-sensitive prostatic cancer cells to the androgen-independent state, in vivo or in vitro; (b) to treat prostatic cancer (after initially withdrawing candrogens to induce apoptosis); and (c) to increase sensitivity of cancer cells (prostatic, renal, non-small cell lung, urothelial transitional, convarian and some breast cancer cells) that express abnormal levels of TRPM-2 to chemotherapy or radiation. The modifications present in (1) increase stability in vivo and activity (both in vivo or in vitro) and created according to the convergence of the convergence of the convergence of antisense oligonucleotides targeted against thuman anti-apoptotic protein and property and processed a
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ACF36398 standard; DNA; 21 BP.
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Gaps

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716 CCGCATCGTCCGCAGCTTGAT 736

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RESULT 51 ACF36401/c

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 TRPM-2; testosterone-repressed prostate message-2; cytostatic; androgen; prostate cancer; anti-apoptotic protein; antisense; ss.
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100.0%; Pred. No. 39;
tive 0; Mismatches 0; Indels
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                                                                                                                                                                                                  Nelson C,
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                                                                                                                                                                                                                                                                                      Claim 1; Page 25; 44pp; English.
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                                                  Homo sapiens.
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                                     Synthetic.
                                                                                                                                                                                                   Gleave M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ACF36403;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
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Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ACF36403,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT
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The inversion of the control of the 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TRPM-2; testosterone-repressed prostate message-2; cytostatic; androgen; prostate cancer; anti-apoptotic protein; antisense; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gapa
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Pred. No. 39;
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                                                                                                                                                                                                                                                                                                                    Monia BP;
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                                                                                                                                                                                                                                                                                                                    Nelson C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Preq. ...
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 5; Page 41; 44pp; English
                                                                                                                                                                                                                                                                                                                    Miyake H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21 ACAACTCCACGGGCTGCCTGC 1
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ACF36404 standard; DNA; 21 BP.
                                                                                                                                                                                                            (UYBR-) UNIV BRITISH COLUMBIA
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                                                                                                   22-FEB-2002; 2002US-00080794.
20-FEB-2003; 2003WO-US005305
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                                                                                                                                                                                                                                                                                                                    Rennie PS,
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The invention relates to a compound consisting of an oligonucleotide with a phosphorothioate backbone throughout, in which: (a) sugars on nucleotide residues 1.4 and 18-21 are 2'-O-methoxyethyl modified, and the remaining nucleotides 5-17 are 2'-deoxy; and (b) the cytosines at positions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence (A GTS398 (I) is used; (a) to delay progression of androgen-sensitive prostatic cancer cells to the androgen-sensitive prostatic cancer cancer (after initially withdrawing androgens to induce apoptosis); and (c) to increase sensitivity of cancer cells (prostatic, renal, non-small cell lung, urothelial transitional, ovarian and some breast cancer cells) that express abnormal levels of TRPM-2 to chemotherapy or radiation. The modifications present in (I) increase stability in vivo and activity (both in vivo or in vitro) and result in a synergistic increase in effect when (I) is used with chemotherapeutic agents or other antisense oligonucleotides directed
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2.
                                                                                                                                                                                                                                                                                                                                                                                                                       against other antiapoptotic genes. Sequences AČF36399-406 represent antisense oligonucleotides targeted against human anti-apoptotic protein
                                                              New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IRPM-2; testosterone-repressed prostate message-2; cytostatic; androgen;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1.3%; Score 21; DB 1; Length 21; 00.0%; Pred. No. 39;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                           RRPM-2 (testosterone-repressed prostate message-2) gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 prostate cancer; anti-apoptotic protein; antisense; ss.
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BP;
Monia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 21 BP; 5 A; 6 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Nelson C,
Nelson C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Pred. No. 39;
live 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TRPM-2 antisense oligonucleotide #6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CTCCTTGCTGGAGCAGCTGAA 1135
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                                                                                                                       Example 5; Page 41; 44pp; English
Miyake H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (UYBR-) UNIV BRITISH COLUMBIA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.(
Matches 21, Conservative
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Rennie PS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2003-689981/65.
                               WPI; 2003-689981/65.
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 Gleave M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1115
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Example 5; Page 40; 44pp; English

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The invention relates to a compound consisting of an oligonucleotide with a phosphorothicate backbone throughout, in which: (a) sugars on nucleotide residues 1-4 and 19-21 are 2'-O-methoxyethyl modified, and the remaining nucleotides 5-17 are 2'-decxy; and (b) the cytosines at positions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence of cytosians 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence constants are cancer cells to the androgen-independent state, in vivo or in vitro; (b) to treat prostatic cancer (after initially withdrawing candrogens to induce apoptosis); and (c) to increase sensitivity of cancer cells (prostatic, renal, non-small cell lung, urothelial transitional, ovarian and some breast cancer cells) that express abnormal levels of concrease stability in vivo and activity (both in vivo or in vitro) and result in a synergistic increase in effect when (1) is used with commented against other antiapoptotic genes. Sequences ACF3639-406 represent antisense oligonucleotides targeted against thuman anti-apoptotic protein
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                This invention relates to novel methods of screening to identify epigenetically silenced genes. Specifically, it refers to the detection of epigenetically silenced tumour suppressor genes in cancer cells, which are transcriptionally inactive due to aberrant methylation at normally
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Identifying at least one epigenetically silenced gene associated with cancer useful for treating cancer comprises contacting an array of genome with nucleic acid molecule that reactivates expression of epigenetically
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                human; primer; RT-PCR; PCR; ss; epigenetically silenced gene; tumour suppressor; cancer; proliferative disorder; head and neck cancer; oesophageal squamous cell carcinoma; ESCC; gene therapy; methyltransferase inhibitor; 5Aza-dC; histone deacetylase inhibitor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human RT-PCR primer to amplify an epigenetically silenced gene (SeqID27)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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0
                                                                                                                                                                                                                                                                                                                                                                                                                        Length 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                TRPM-2 (testosterone-repressed prostate message-2) gene
                                                                                                                                                                                                                                                                                                                                                                                   Sequence 21 BP; 2 A; 6 C; 3 G; 10 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                          Score 21; DB 1;
Pred. No. 39;
                                                                                                                                                                                                                                                                                                                                                                                                                1.3%; Scor.
100.0%; Pred. No. J...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 1; SEQ ID NO 27; 97pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        316 AATCAGAGACAAAGCTGAAGG 336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21 AATCAGAGACAAAGCTGAAGG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          07-MAR-2003; 2003WO-US007245.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            07-MAR-2002; 2002US-0362577P.
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                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.
Matches 21; Conservative
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screening method to identify silenced genes in a cell suspected of a

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unmethylated CpG islands. Accordingly, these genes provide diagnostic markers for immortalised and transformed cells and hence can be used to diagnose various proliferative disorders, particularly osophageal cancer and head and neck cancer. The present invention describes a genomic predisposition to, or exhibiting, unrequiated growth. Accordingly, or predisposition to, or exhibiting, unrequiated growth. Accordingly, oligonuclectides of the genes identified herein are useful for detecting cesophageal squamous cell carcinoma (ESCC) or neck squamous cell carcinoma. Furthermore, treatment can occur via gene therapy, using a carcinoma. Furthermore, treatment can occur via gene therapy, using a histone deacetylaae inhibitor to restore expression of at least one methylation silenced gene in cancer cells. This oligonucleotide sequence is an MT-PCR primer used to amplify those genes that were up-regulated as a result of treatment with a demethylation agent i.e epigenetically silenced genes of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 21 BP; 6 A; 10 C; 3 G; 2 T; 0 U; 0 Other;
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Gaps
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1.1%; Score 21; DB 1; Length 21;
100.0%; Pred. No. 39;
ive 0; Mismatches 0; Indels
                                                               994 ACAACCCCTCCCAGGCTAAGC 1014
                                                                                 1 ACAACCCTCCCAGGCTAAGC 21
                  Local Similarity 100.
nes 21; Conservative
    Query Match
                                   Matches
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ADF75348 standard; DNA; 21 BP (first entry) 26-FEB-2004 ADF75348; RESULT 57 ADF75348,

Human RT-PCR primer to amplify an epigenetically silenced gene (SeqID28) human; primer; RT-PCR; PCR; 88; epigenetically silenced gene; tumour suppressor; cancer; proliferative disorder; head and neck can oesophageal squamous cell carcinoma; ESCC; gene therapy; methyltransferase inhibitor; SAza-dC; histone deacetylase inhibitor.

Homo sapiens

WO2003076594-A2

18-SEP-2003.

07-MAR-2003; 2003WO-US007245

07-MAR-2002; 2002US-0362577P.

SNINGO UNIV JOHNS HOPKINS

Sidransky D;

WPI; 2003-756817/71.

Identifying at least one epigenetically silenced gene associated with cancer useful for treating cancer comprises contacting an array of genome with nucleic acid molecule that reactivates expression of epigenetically silenced gene.

Example 1; SEQ ID NO 28; 97pp; English.

This invention relates to novel methods of screening to identify epigenetically silenced genes. Specifically, it refers to the detection of epigenetically silenced tumour suppressor genes in cancer cells, which are transcriptionally inactive due to aberrant methylation at normally unmethylated CpG islands. Accordingly, these genes provide diagnostic markers for immortalised and transformed cells and hence can be used to diagnose various proliferative disorders, particularly oesophageal cancer and head and neck cancer. The present invention describes a genomic

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         predisposition to, or exhibiting, unregulated growth. Accordingly, obligonacleotides of the genes identified herain are useful for detecting cesophageal aquamous cell carcinoma (ESCC) or neck squamous cell carcinoma. Furthermore, treatment can occur via gene therapy, using a demechylation agent such as a methyltransferase inhibitor (SAxa-dC) or a histone deacetylase inhibitor to restore expression of at least one methylation silenced gene in cancer cells. This oligonucleotide sequence is an RT-PCR primer used to amplify those genes that were up-regulated as a result of treatment with a demethylation agent i.e epigenetically silenced genes of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity, radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human;
                                                                                                                                                                                                                                            Gaps
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                                                                                                                                                                                                              1.3%; Score 21; DB 1; Length 21;
100.0%; Pred. No. 39;
                                                                                                                                                                                                                                           0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /mod_base= OTHER
/note= "Phosphorothioate backbone"
                                                                                                                                                                                 Seguence 21 BP; 5 A; 8 C; 3 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                         100.0%; Prec. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human TRPM-2 antisense oligonucleotide #10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; SEQ ID NO 10; 14pp; English
                                                                                                                                                                                                                                                                           1334 ATTTATGGAGACCGTGGCGGA 1354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Miyake H,
                                                                                                                                                                                                                                                                                             21 ATTTATGGAGACCGTGGCGGA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                     ADM83075 standard; DNA; 21 BP.
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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                                                                                                                                                                                                                                              21; Conservative
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                                                                                                                                                                                                                              Local Similarity
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(RENN/) RENNIE P S
(MIYA/) MIYAKE H.
(NELS/) NELSON C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US2003158130-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           antisense; ss.
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(NELS/)
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ADM83075/c
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sensitivity of cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The present sequence is human testosterone-repressed prostate message-2 (TRPM -2) antisense oligodeoxyribonucleotide (ODN).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention provides a method for treating cancer in which cancer cells express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or radiationsensitivity of cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                                                                                                                                                                                                                                                                                                                                Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity, radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human;
                                                                                                                               Score 21; DB 1; Length 21;
Pred. No. 39;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1. .21
/kag= a
/mod_base= OTHER
/note= "Phosphorothioate backbone"
                                                                                                  Sequence 21 BP; 1 A; 4 C; 12 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Miyake H, Nelson C,
                                                                                                                                           Best Local Similarity 100.0%; Pred. No. 39; Matches 21; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                    Human TRPM-2 antisense oligonucleotide #7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; SEQ ID NO 7; 14pp; English.
                                                                                                                                                                                            1516 AGGCCCCCAACTCCGCCCAGC 1536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                 21 AGGCCCCCAACTCCGCCCAGC
                                                                                                                                                                                                                                                                                                        BP
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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RENNIE P S.
MIYAKE H.
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modified_base
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Synthetic.
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                                                                                                                               Query Match
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(NELS/)
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The present invention provides a method for treating cancer in which cancer cells express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or radiationsensitivity of cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The present sequence is human testosterone-repressed prostate message-2 (TRPM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention provides a method for treating cancer in which cancer cells express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or radiation-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity; radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human;
                                                                                                                                                                                                              Gaps
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0
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100.0%; Pred. No. 39;
tive 0; Mismatches 0; Indels
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                                                                                                                                            Sequence 21 BP; 5 A; 6 C; 6 G; 4 T; 0 U; 0 Other;

    antisense oligodeoxyribonucleotide (ODN)

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1. .21
/*tag= a
                                                                                                                                                                                                                                        CTCCTTGCTGGAGCAGCTGAA 1135
                                                                                                                                                                                                                                                             CTCCTTGCTGGAGCAGCTGAA 1
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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                                                                                                                                                                                                                                                                                                                                                   ADM83077 standard; DNA; 21
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                                                                                                                                                                                         Local Similarity 100.
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RENNIE P S.
MIYAKE H.
NELSON C.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          antisense; ss.
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modified_base
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Zellweger

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Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity; radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human;
                   1.3%; Score 21; DB 1; Length 21;
100.0%; Pred. No. 39;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                     /note= "Phosphorothioate backbone"
Sequence 21 BP; 3 A; 5 C; 9 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                               Human TRPM-2 antisense oligonucleotide #11
                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                     916 ACAACTCCACGGGCTGCCTGC 936
                                                                                             21 ACAACTCCACGGGCTGCCTGC 1
                                                                                                                                                                                                                                                                                                                                                                                         /mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25-FEB-2000; 2000WO-US004875.
28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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                                                                                                                                                        ADM83076 standard; DNA; 21
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                                              21; Conservative
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(RENN/) RENNIE P S.
(MIYA/) MIYAKE H.
(NELS/) NELSON C.
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                     Query Match
Best Local Similarity
Matches 21; Conserv
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                                                                                                                                                                                                                                                                                                                                                      Key
modified_base
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Synthetic.
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present sequence is human testosterone-repressed prostate message-2 (TRPM -2) antisense oligodeoxyribonucleotide (ODN).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                                                                                                                                                                                          Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity; radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human;
                                                                                  Gaps
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                                                          DB 1; Length 21; .39;
                                                                                  0; Indels
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/*tag= a
//mdd_bage= OTHER
/note= "Phosphorothioate backbone"
                                  Sequence 21 BP; 5 A; 4 C; 9 G; 3 T; 0 U; 0 Other;
                                                1.3%; Scor.
100.0%; Pred. No. 3,
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                                                                                                                                                                                                                                                                   Human TRPM-2 antisense oligonucleotide #9.
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                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                         515 TGACCGCATCGACTCCCTGCT 535
                                                                                                                       25-FEB-2000; 2000WO-US004875.
28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               28-SEP-2001; 2001US-00967726
                                                                                                                                                                                           ADM83074 standard; DNA; 21
                                                     Query Match
Best Local Similarity 100.0
Matches 21; Conservative
                                                                                                                                                                                                                                           03-JUN-2004 (first entry)
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RENNIE P S.
MIYAKE H.
NELSON C.
ZELLWEGER T.
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modified_base
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(MIYA/)
(NELS/)
(ZELL/)
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                                                                                                                                                                      RESULT 61
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The present invention provides a method for treating cancer in which cancer cells express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (FCC). The invention is also useful in ancisense gene therapy. The present sequence is human testosterone-repressed prostate message-2 (TRPM antisense oligodeoxyribonucleotide (ODN).
                                                                                                                                                                                   Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
Zellweger T;
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Nelson C,
                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; SEQ ID NO 11; 14pp; English.
Miyake H,
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The present invention provides a method for treating cancer in which cancer calls express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or tradiation-sensitivity of cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The present sequence is human testosterone-repressed prostate message-2 (TRPM-2) antisense oligodeoxyribonucleotide (ODN).
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                                                                                                                                                                                                                        Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity; radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human; antisense; ss.
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cive 0; Mismatches
                                                                                                                                                                                               Human TRPM-2 antisense oligonucleotide #4.
                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
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                 36
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                              21 CCGAGGCGTGCAAAGACTCCA 1
                                                                                                                                                                                                                                                                                                                                                                             /mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     21 ATGATGAAGACTCTGCTGCTG 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25-FEB-2000; 2000WO-US004875.
28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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                                                                                                               ADM83069 standard; DNA; 21
                                                                                                                                                                   03-JUN-2004 (first entry)
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/*tag= a
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GLEA/) GLEAVE M.
(RENN/) RENNIE P S.
(MIYA/) MIYAKE H.
(NELS/) NELSON C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZELLWEGER T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2003-778017/73.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity
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                                                                                                                                                                                                                                                                                                                                    Key
modified_base
                                                                                                                                                                                                                                                                                             sapiens.
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                                                                                                                                                                                                                                                                                                            Synthetic
                                                                                                                                         ADM83069;
                 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                                                                                                                                                         Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity; radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human;
                              Gaps
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                              Indels
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100.0%; Pred. No. 39;
ive 0; Mismatches 0; Indels
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/*tag= a
/mod_base= OTHER
/note= "Phosphorothioate backbone"
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              Pred. No. 39;
                            Mismatches
                                                                                                                                                                                                                                 Human TRPM-2 antisense oligonucleotide #3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; SEQ ID NO 3; 14pp; English.
                                                     1316 CTCCAGGAAGAACCCTAAATT 1336
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100.08; FI
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                                                                   CTCCAGGAAGAACCCTAAATT
                                                                                                                                                    BP
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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                                                                                                                                                   ADM83068 standard; DNA; 21
                                                                                                                                                                                                       03-JUN-2004 (first entry)
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Best Local Similarity 100.(
Matches 21; Conservative
                            Conservative
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RENNIE P S.
MIYAKE H.
NELSON C.
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              Best Local Similarity
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                                                                                                                                                                                                                                                                                                       antisense; ss.
                                                                                                                                                                                                                                                                                                                                                                                  modified_base
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Synthetic.
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(RENN/)
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(NELS/)
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                         Matches
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RESULT 65

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Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                                              Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity; radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human; antisense; ss.
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/mod_base= OTHER
/note= "Phosphorothioate backbone"
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                                                                                                                Human TRPM-2 antisense oligonucleotide #8.
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                                                                                                                                                                                                                                                                                    Location/Qualifiers
               ВР.
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          28-SEP-2001; 2001US-00967726
               ADM83073 standard; DNA; 21
                                                                               03-JUN-2004 (first entry)
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RENNIE P S.
MIYAKE H.
NELSON C.
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                                                                                                                                                                                                                                                                                                    modified base
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Synthetic.
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                                               ADM83073;
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(MIYA/) (NELS/) 1
(ZELL/) 1
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ADM83073/
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                                                                                                Pestosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity;
radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer;
lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human;
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100.0%; Pred. No. 39;
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/note= "Phosphorothioate backbone"
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                                                                                                                                                                  Human TRPM-2 antisense oligonucleotide #5.
                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 5; SEQ ID NO 5; 14pp; English.
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                                               ADM83070/c
ID ADM83070 standard; DNA; 21 BP.
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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                                                                                                                                (first entry)
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RENNIE P S.
MIYAKE H.
NELSON C.
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Matches 21; Conserv
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                                                                                                                                                                                                                                                      antisense; 88.
                                                                                                                                                                                                                                                                                                                                         Key
modified_base
                                                                                                                                                                                                                                                                                        Homo sapiens,
                                                                                                                                  03-JUN-2004
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                                                                                                                                                                                                                                                                                                        Synthetic.
                                                                                                ADM83070;
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(MIYA/)
(NELS/)
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Zellweger

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The present invention provides a method for treating cancer in which cancer calls express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The present sequence is human testosterone-repressed prostate message-2 (TRPM -2) antisense oligodeoxyribonucleotide (ODN).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 21; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                Sequence 21 BP; 5 A; 5 C; 8 G; 3 T; 0 U; 0 Other;
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ID ADM8
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21

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RESULT 66

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The present sequence is the sense strand of a short interfering RNA (siRNA) targeted to nucleotides 487-505 of human clusterin cDNA. The antisense strand is also provided AD170457. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SiRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, breast cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                         RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
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Pred. No. 39;
4; Mismatches (
                                                                                                                                                                                                                                                                                     /note= "OTHER= drdT"
                                                                                                                                                                                                      Location/Qualifiers
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                                                                                                                                                                                                                                                                 base= OTHER
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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Best Local Similarity 81.0
Matches 17; Conservative
                     RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        of Alzheimer's disease.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            disease or cancer.
                                                                                                                                                                                                                                                                                                                             WO2004018676-A2
                                                                                                                                                                                                        Key
modified_base
                                                                                                                                            sapiens
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Gonos ES;
                                                                                                                                                                 Synthetic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                   Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity, radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Zellweger T;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2) antisense oligodeoxyribonucleotide (ODN).
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                                                                            Human TRPM-2 antisense oligonucleotide #6.
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                                                                                                                                                                                                                                                                                     Location/Qualifiers
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/*tag= a
/mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21 AATCAGAGACAAAGCTGAAGG 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               25-FEB-2000; 2000WO-US004875.
28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         28-SEP-2001; 2001US-00967726
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADL70456 standard; RNA; 21
                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gleave M, Rennie PS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GLEAVE M.
RENNIE P S.
MIYAKE H.
NELSON C.
ZELLWEGER T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2003-778017/73.
                                                                                                                                                                                                                                                                                                                                                                                                          US2003158130-A1
                                                                                                                                                                                                                                                                                     Key
modified_base
                                                                                                                                                                                   antisense; ss
                                                                                                                                                                                                                         Homo sapiens.
Synthetic.
                                      03-JUN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                  21-AUG-2003
ADM83071;
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(RENN/)
(MIYA/)
(NELS/)
(ZELL/) (GLEA/)

Trougakos IP;

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Gaps

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RESULT 68 ADL70456

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The present sequence is the sense strand of a short interfering RNA (siRNA) targeted to nucleotides 1620-1638 of human clusterin cDNA. The antisense strand is also provided ADL'0461. The siRNA can be used to interfere with the expression of Clusterin. Clusterin, also known as testosterone-repressed prostete message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour calls following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SiRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        prostate cancer, sarcomas such as osteosarcoma, renal clearment of breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease.
                                                 RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Jansen B, Gleave ME, Signaevsky M, Beraldi E, Trougakos IP;
Gonos ES;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 71.4%; Pred. No. 39;
Matches 15; Conservative 6; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 21 BP; 8 A; 4 C; 1 G; 2 T; 6 U; 0 Other;
                                                                                                                                                                                         20. .21
/*tag= a
/mod_base= OTHER
/note= "OTHER= dTdT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 4; SEQ ID NO 5; 63pp; English.
                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1615 CTAATTCAATAAAACTGTCTT 1635
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                                                                                                                     21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                   21-AUG-2003; 2003WO-CA001277.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADL70513 standard; RNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry).
                  RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                               WO2004018676-A2
                                                                                                                                                                         Key
modified_base
                                                                                                                      Homo sapiens.
Synthetic.
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The present sequence is the sense strand of a short interfering RNA (siRNA) targeted to a specific portion ADL70512 of human clusterin cDNA. The antisense strand is also provided ADL70514. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as cestosterone-repressed prostate message-2 (TRPM-2) or sulfated clustosterone-repressed prostate message-2 (TRPM-2) or sulfated clustosterin-2 (SGP-2), is expressed in increased amounts by prostate cumour cells following androgen withdrawal, and has also been shown to be critical for neutric coxicity in mouse models of Alabeimer's disease. SirNAs of the invention can be used alone or in combination with other critical for apoptosis inducing treatments for the treatment of prostate cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, on anglastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease. In an example from the invention, the present sixNA was used to examine the effects of clusterin gene silencing in PC-3 prostate cancer cells. A reduction in clusterin transcript was observed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                    RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gleave ME, Signaevsky M, Beraldi E, Trougakos IP;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 21 BP; 3 A; 9 C; 3 G; 2 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 4; SEQ ID NO 58; 63pp; English.
                                                                                                                                                                                                                    /*tag= a
/mod_base= OTHER
/note= "OTHER= dIdT"
                                                                                                                                                                                Location/Qualifiers
20. .21
/*tag= a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  482 CCAGAGCTCGCCCTTCTACTT 502
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (UYBR-) UNIV BRITISH COLUMBIA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADL70458 standard; RNA; 21 BP.
                                                                                                                                                                                                                                                                                                                                                                                                          21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                                        21-AUG-2003; 2003WO-CA001277
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 81.0
Matches 17; Conservative
                 RNAi for human clusterin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        disease or cancer.
                                                                                                                                                                                                                                                                                              WO2004018676-A2
                                                                                                                                                                                    Key
modified_base
                                                                                                                             Ното варіелв.
                                                                                                                                                                                                                                                                                                                                   04-MAR-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Jansen B,
                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gonos ES;
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ADL70458
ID ADL70
XX
AC ADL70
형
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Gaps

(first entry)

20-MAY-2004

RNAi for human clusterin.

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The present sequence is the sense strand of a short interfering RNA antisense strand is also provided ADL70459. The siRNA can be used to antisense strand is also provided ADL70459. The siRNA can be used to therefore with the expression of Clusterin. Clusterin, also known as testosterone-repressed prostete message-2 (TRBM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate cult following androgen withdrawal, and has also been shown to be critical for neutitic toxicity in mouse models of Alzheimer's disease. siRNAs of the invention can be used alone or in combination with other prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                                RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Trougakos IP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1.3%; Score 21; DB 1; Length 21; 81.0%; Pred. No. 39;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 21 BP; 4 A; 9 C; 2 G; 2 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4; Mismatches
                                                                                                                                                                                             20. .21
/*tag= a
/mod_base= OTHER
/note= "OTHER= dTdT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gleave ME, Signaevsky M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1100 GATGCTCAACACCTCCTT 1120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 4; SEQ ID NO 3; 63pp; English.
                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                                                                                             21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                21-AUG-2003; 2003WO-CA001277.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 81.0
              20-MAY-2004 (first entry)
                                           RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                        WO2004018676-A2.
                                                                                                                                                                                  Key
modified_base
                                                                                                                                   sapiens.
                                                                                                                                                                                                                                                                                                       04-MAR-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Jansen B,
Gonos ES;
                                                                                                                                                   Synthetic.
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ADL70520/
                                                                                                                                      Homo
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The present sequence is the antisense strand of a short interfering RNA (SIRNA) targeted to a specific portion ADL/0518 of human clusterin CDNA. CT the sense strand is also provided ADL/0519. The siRNA can be used to The sense strand is also provided ADL/0519. The siRNA can be used to The strand the expression of clusterin, also known as tencesterone-repressed prostate message-2 (TRPM-2) or sulfated to testosterone repressed prostate message-2 (TRPM-2) or sulfated to glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate cumour calls following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. Critical for neuritic toxicity in mouse models of Alzheimer's disease. Critical for rapplessis inducing treatments for the treatment of chemotherapy or apoptorisis inducing treatments for the treatment of chemotherapy or apoptorisis inducing treatments for the treatment of chemotherapy or apoptorisis inducing treatments for the treatment of chemotherapy or apoptorisis inducing treatment, real cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, canaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease. In an example from the invention, the present of Alzheimer's disease. In an example from the invention, the present of siRNA was used to examine the effects of clusterin gene silencing in PC-3 prostate cancer cells. A reduction in clusterin gene silencipt was observed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                                                      RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
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100.0%; Pred. No. 39;
.ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 21 BP; 6 A; 1 C; 4 G; 2 T; 8 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gleave ME, Signaevsky M, Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 4; SEQ ID NO 65; 63pp; English.
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                                                                                                                                                                                                                                                                                                                             /note= "OTHER= dIdT"
                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AACTAATTCAATAAAACTGTC 1
                                                                                                                                                                                                                                                                                       /*tag= a
/mod_base= OTHER
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20-MAY-2003; 2003US-0472387P.
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ADL/10461/c
ID ADL/10461 standard; RNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-226852/21.
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                         WO2004018676-A2
                                                                                                                                                                                                                                                    Key
modified base
                                                                                                                                                                                   Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                    04-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Jansen B,
Gonos ES;
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                                                                                                                                                                                                            Synthetic.
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Gaps

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ADL70520 standard; RNA; 21 BP

ADL70520

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New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                                           RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (UYBR-) UNIV BRITISH COLUMBIA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                                                                                                            21-AUG-2003; 2003WO-CA001277
                                                                                        RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-226852/21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  disease or cancer
                                                                                                                                                                                                                                                                                                                                                                       WO2004018676-A2.
                                                                                                                                                                                                                                                           Key
modified_base
                                                    20-MAY-2004
                                                                                                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                          04-MAR-2004
                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Jansen B,
                   ADL70519;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gonos ES;
The present sequence is the antisense strand of a short interfering RNA esignRNA) targeted to nuclectides 1620-1638 of human clusterin cDNA. The sense strand is also provided ADL70460. The siRNA can be used to interfere with the expression of clusterin, also known as testosterone-repressed prostate message-2 (TRPN-2) or sulfated appropried and applycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SIRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                                           RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Trougakos IP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1.3%; Score 21; DB 1; Length 21;
100.0%; Pred. No. 39;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 21 BP; 6 A; 1 C; 4 G; 2 T; 8 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Signaevsky M, Beraldi E,
                                                                                                                                                                                                                                                                                            /*tag= a
/mod_base= OTHER
/note= "OTHER= dIdT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 4; SEQ ID NO 6; 63pp; English.
                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                                                                                                              21-AUG-2003; 2003WO-CA001277
                                                    20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.
Matches 21; Conservative
                                                                                      RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gleave ME,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  disease or cancer.
                                                                                                                                                                                                                                                                                                                                                                     WO2004018676-A2
                                                                                                                                                                                                                                                           Key
modified_base
                                                                                                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                          04-MAR-2004
                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Jansen B,
Gonos ES;
                 ADL70461;
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Trougakos IP

Gleave ME, Signaevsky M, Beraldi E,

/note= "OTHER= drdr"

*tag= a mod_base= OTHER

mod/

Location/Qualifiers

(first entry)

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The present sequence is the sense strand of a short interfering RNA (siRNA) targeted to a specific portion ADL70518 of human clusterin cDNA. The antisense strand is also provided ADL70520. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated controller contro
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1.3%; Score 21; DB 1; Length 21; 71.4%; Pred. No. 39;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .
0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6; Mismatches
Claim 4; SEQ ID NO 64; 63pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1615 CTAATTCAATAAAACTGTCTT 1635
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  71.48;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15;
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RESULT 75

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Gaps ;

1613 AACTAATTCAATAAAACTGTC 1633

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AACTAATTCAATAAACTGTC 1

ADL70519 standard; RNA; 21 BP

RESULT 74 ADL70519 ID ADL7 Page 38

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RESULT 76
                                                      ADL7051
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present sequence is the antisense strand of a short interfering RNA (siRNA) targeted to a specific portion ADL70515 of human clusterin CDNA. The sense strand is also provided ADL70516. The siRNA can be used to interfere with the expression of clusterin, clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated as also become clusterin and has also been shown to be tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. The siRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, badder cancer, lung cancer, colon cancer, ovarian cancer, canaplastic large cell lymphom and melanoma, and also for the treatment of maplastic large cell lymphom and melanoma, and also for the treatment of siRNAs was used to examine the effects of clusterin gene silenoing in PC-3 and also siRNAs as used to examine the effects of clusterin gene silenoing in PC-3 and also siRNAs as used to examine the effects of clusterin gene silenoing in PC-3 and also six and also s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                                                                                                                                                                                          RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       prostate cancer cells. A reduction in clusterin transcript was observed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Trougakos IP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1.3%; Score 21; DB 1; Length 21; 100.0%; Pred. No. 39; 0; Indels ative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Signaevsky M, Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 21 BP; 3 A; 5 C; 9 G; 2 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 4; SEQ ID NO 62; 63pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /mod_base= OTHER
/note= "OTHER= dTdT"
                                                                                                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
                        BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                21-AUG-2003; 2003WO-CA001277.
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                     ADL/10517 standard; RNA; 21
                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /*tag= a
                                                                                                                                                                            RNAi for human clusterin.
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Best Local Similarity 100.
Matches 21; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gleave ME,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-226852/21.
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                                                                                                                                                                                                                                                                                                                                                                                                                     Key
modified_base
                                                                                                                                                                                                                                                                                                                                        Homo sapiens
                                                                                                                        20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            04-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                   Synthetic.
                                                                         ADL70517;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gonos ES;
ADL70517/c
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The present sequence is the sense strand of a short interfering RNA (siRNA) targeted to a specific portion ADL70515 of human clusterin cDNA. The antisense strand is also provided ADL70517. The siRNA can be used to therefore with the expression of Clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate currour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SIRNAs of the invention can be used alone or in combination with other critical for neuritic toxicity in mouse models of Alzheimer's disease. SiRNAs of the invention can be used alone or in combination with other prostate cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, breast cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease. In an example from the invention, the present sIRNA was used to examine the effects of clusterin gene silencing in PC-3 prostate cancer cells. A reduction in clusterin transcript was observed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                                                                                                                  RNA interference, RNAi, short interfering RNA; siRNA; human, clusterin, cytostatic, neuroprotective, nootropic, gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Trougakos IP;
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85.7%; Pred. No. 39;
rative 3; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Signaevsky M, Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 21 BP; 2 A; 9 C; 5 G; 2 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 4; SEQ ID NO 61; 63pp; English.
                                                                                                                                                                                                                                                                                                                       /*tag= a
/mod_base= OTHER
/note= "OTHER= dTdT"
                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               713 GICCCGCATCGTCCGCAGCTT 733
   BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (UYBR-) UNIV BRITISH COLUMBIA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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ADL70516 standard; RNA; 21
                                                                                                               RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 85.7'
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gleave ME,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                                                                                                                                             WO2004018676-A2
                                                                                                                                                                                                                                                                                    Key
modified_base
                                                                                                                                                                                                                               Homo sapiens.
                                                                          20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                   04-MAR-2004.
                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Jansen B,
Gonos ES;
                                     ADL70516;
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Gaps

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The present sequence is the antsense strand of a short interfering RNA sense strand is also provided ADJ70456. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRDM-2) or sulfated splycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SiRNAs of the invention can be used alone or in combination with other chemocherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, anaplastic large cell lymphoma and melanoma, and also for the treatment of anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                                                                                                                            RNA interference, RNAi, short interfering RNA; siRNA, human, clusterin, cytostatic, neuroprotective, nootropic, gene silencing, DNA-RNA hybrid,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Trougakos IP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.3%; Score 21; DB 1; Length 21; 00.0%; Pred. No. 39;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 21 BP; 4 A; 3 C; 9 G; 2 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Signaevsky M,
                                                                                                                                                                                                                                                                                                                                                                            /mod_base= OTHER
/note= "OTHER= dTdT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 4; SEQ ID NO 2; 63pp; English.
                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
1 GUCCCGCAUCGUCCGCAGCTT 21
                                                                                                                                                                                                                                                                                                                                                                           base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (UYBR-) UNIV BRITISH COLUMBIA
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                  1457/c
ADL70457 standard; RNA; 21
                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                               /*tag= a
                                                                                                                                                                             RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gleave ME,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             disease or cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                              WO2004018676-A2
                                                                                                                                                                                                                                                                                                                              Key
modified_base
                                                                                                                                                                                                                                                                               Homo sapiens
                                                                                                                                           20-MAY-2004
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                                                                                                                                                                                                                                                                                              Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Jansen B,
Gonos ES;
                                                                                                              ADL70457;
                                              RESULT 77
                                                                ADL70457,
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The present sequence is the antisense strand of a short interfering RNA (siRNA) targeted to nucleotides 1105-1123 of human clusterin cDNA. The sense strand is also provided ADL70458. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRRM-2) or sulfated cutocottostein-2 (SGP-2), is expressed in increased amounts by prostate companients of the invention can be used in increased amounts by prostate control of critical for neuritic toxicity in mouse models of Alzheimer's disease. Contical for neuritic toxicity in mouse models of Alzheimer's disease. Contical for neuritic toxicity in season or in combination with other concurse, sarcomas such as osteosarcoma, renal cell carcinoma, concurse toxical prostate cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, canaplastic large cell lymphoma and melanoma, and also for the treatment concurse.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                                                                                                                                RNA interference, RNAi, short interfering RNA; siRNA, human, clusterin, cytostatic, neuroprotective, nootropic, gene silencing, DNA-RNA hybrid,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gleave ME, Signaevsky M, Beraldi E, Trougakos IP;
                                                                                                                                                                                                                                                                                                                                                                                                      /note= "OTHER= drdr"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 4; SEQ ID NO 4; 63pp; English.
                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
21 AACCAGAGCTCGCCCTTCTAC 1
                                                                                                                                                                                                                                                                                                                                                                                      /mod base= OTHER
                                                                                ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (UYBR-) UNIV BRITISH COLUMBIA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          21-AUG-2003; 2003WO-CA001277
                                                                                                                                                                                                                                                                                                                                                     20. .21
/*tag= a
                                                                                ADL70459 standard; RNA; 21
                                                                                                                                               (first entry)
                                                                                                                                                                                  RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 disease or cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                        WO2004018676-A2
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modified_base
                                                                                                                                                                                                                                                                                   sapiens
                                                                                                                                               20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         04-MAR-2004.
                                                                                                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Jansen B,
Gonos ES;
                                                                                                                ADL70459;
                                                                                                                                                                                                                                                                                    Homo
                                                 RESULT 78
                                                                ADL70459/
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1.3%; Score 21; DB 1; Length 21; 100.0%; Pred. No. 39; ive 0; Mismatches 0; Indels 21; Conservative Local Similarity Query Match Matches

Sequence 21 BP; 4 A; 2 C; 9 G; 2 T; 4 U; 0 Other;

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1098 AAGATGCTCAACACCTCCTCC 1118

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Gaps

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Indels

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Best_Local Similarity 100.0%; Pred. No. 39; Matches 21; Conservative 0; Mismatches

Query Match

480 AACCAGAGCTCGCCCTTCTAC 500

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The present sequence is the antisense strand of a short interfering RNA (siRNA) targeted to a specific portion ADL/0512 of human clusterin cDNA. The series strand is also provided ADL/0513. The siRNA can be used to interfere with the expression of clusterin. Also known as testosterone-repressed proctate message-2 (TRPM-2) or sulfated GLOSCOPED (SCP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. Confinence of the invention can be used alone or in combination with other cancer bladder cancer, lung cancer, colon cancer, ovarian cancer, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease. In an example from the invention, the present of Alzheimer's disease. In an example from the invention, the present sirender cancer cells. A reduction in clusterin transcript was observed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                                                                                                                                                 RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 21 BP; 4 A; 3 C; 9 G; 2 T; 3 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                /mod_base= OTHER
/note= "OTHER= dIdT"
                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
21 AAGATGCTCAACACCTCCTCC 1
                                                                                     ADL70514 standard; RNA; 21 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                                                           20-MAY-2004 (first entry)
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                                                                                                                                                                                               RNAi for human clusterin.
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                                                                                                                                                                                                                                                                                                                                                             Key
modified_base
                                                                                                                                                                                                                                                                                                        Homo sapiens.
Synthetic.
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                                                                                                                         ADL70514;
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                                                     RESULT 79
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The present sequence is that of an antisense oligonucleotide targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma chrough reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421.

Or short interfering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin. The antisense oligonucleotides are complementary to a region of the clusterin mRNA spanning either the translation initiation site or the termination site. They may be modified to increase stability in vivo, termination site. They may be modified to increase stability in vivo, e.g. they may be employed as phosphorothicate derivatives and may have 2' c-0-(2-methoxyechyl) modifications in the 5' and 3' 'wings'. A method for regulating expression of bcl-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin expression of bcl-xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor
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/note= "OTHER= optional 2'0-methoxyethyl modifications"
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/mod_base= OTHER
/note= "OTHER= optional 2'O-methoxyethyl modifications"
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                                                                                                                                                                                                                                                        Human; clusterin; antisense; melanoma; cytostatic; gene silencing; ss.
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                                                                                                                                                                                                                         Antisense oligonucleotide to human clusterin.
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480 AACCAGAGCTCGCCCTTCTAC 500
                                                                                                                                                                                                                                                                                                                                                                                                  /mod_base= OTHER
                  21 AACCAGAGCTCGCCCTTCTAC
                                                                                                                    ADL70410 standard; DNA; 21 BP
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03-SEP-2002; 2002US-0408152P.
02.DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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/*tag= b
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/*tag= a
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modified_base
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03-SEP-2002;
02-DEC-2002;
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Synthetic.
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                                                                                 RESULT 80
ADL70410/c
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Gaps

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0; Indels

1.3%; Score 21; DB 1; Length 21; 100.0%; Pred. No. 39;

100.0%; Pred. No.

Conservative

Query Match Best Local Similarity Matches 21; Conserva

Gaps

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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADD/70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonocleotide ADD/70404-ADD/70421 or short interfering RNA (siRNA) ADD/70422-ADD/7045 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA, A method for regulating expression of bol-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bol-xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xL is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            comprises administering to the reduce the effective amount of
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short interfering RNA; siRNA; DNA-RNA hybrid; ss.
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Pred. No. 39;
                                          0; Indels
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            DB 1;
39;
                                          3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Treating melanoma in a mammalian subject subject a therapeutic agent effective to clusterin in the melanoma cells.
            Score 21;
Pred. No. 3
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                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                        713 GICCCGCATCGICCGCAGCII 733
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/note= "OTHER= TT"
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                                                                                         1 GUCCCGCAUCGUCCGCAGCTT
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(GLEA/) GLEAVE M E.
            1.3%;
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03-SRP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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              Query Match
Best Local Similarity 85.7
Matches 18; Conservative
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Best Local Similarity
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modified_base
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                                                        Length 21;
                             Sequence 21 BP; 5 A; 5 C; 8 G; 3 T; 0 U; 0 Other;
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                                                      DB 1;
39;
                                                        1.3%; Score 21; DB 100.0%; Pred. No. 39; ive 0; Mismatches
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20. .21
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/note= "OTHER= TT"
                                                                                                                                   CCGCATCGTCCGCAGCTTGAT 1
                                                                                                                    716 CCGCATCGTCCGCAGCTTGAT
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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/mod base=
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                                                     Query Match
Best Local Similarity 100.
Matches 21, Conservative
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(GLEA/) GLEAVE M E.
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of apoptosis.
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regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor of apoptosis.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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/*tag= b
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/*tag= a
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                                                                                Query Match 1.3
Best Local Similarity 100.
Matches 21; Conservative
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ADL70408/
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/note= "OTHER= optional 2'O-methoxyethyl modifications"
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                                                                                                                                                                                                            Human; clusterin; antisense; melanoma; cytostatic; gene silencing; ss.
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/note== "OTHER= optional phosphorothioate nucleotides"
                  Gaps
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                   Indels
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                  4; Mismatches
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1. 21
/*tag= b
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/mod_base= OTHER
/note== "OTHER= op
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                                                      CCAGAGCUCGCCCUUCUACTT
                                          482 CCAGAGCTCGCCCTTCTACTT
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(GLEA/) GLEAVE M E.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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                     17; Conservative
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modified_base
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Synthetic.
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                     Matches
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/note= "OTHER= optional 2'O-methoxyethyl modifications"
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/mod_base= OTHER
/note= "OTHER= optional 2'O-methoxyethyl modifications"
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subject a therapeutic agent effective to reduce the effective amount
clusterin in the melanoma cells.
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                                                   1.3%; Score 21; DB 1; Length 21;
100.0%; Pred. No. 39;
ative 0; Mismatches 0; Indels
Sequence 21 BP; 4 A; 3 C; 6 G; 8 T; 0 U; 0 Other;
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                                                                                                                                                                                       1316 CTCCAGGAAGAACCCTAAATT 1336
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(GLEA/) GLEAVE M E.
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Claim 6; SEQ ID NO 10; 32pp; English.
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ADL70425/c
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The antisense oligonucleotides are complementary to a region of the clusterin mRNA spanning either the translation initiation site or the termination site. They may be modified to increase stability in vivo, e.g. they may be employed as phosphorothioate derivatives and may have 2'-0-(2-methoxyethyl) modifications in the 5' and 3' wings'. A method for regulating expression of bcl-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xL is downregulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor
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/note== "OTHER= optional 2'O-methoxyethyl modifications"
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/note= "OTHER= optional 2'O-methoxyethyl modifications'
                                                                                                                                                                                                                                                                                                                                                Human; clusterin; antisense; melanoma; cytostatic; gene silencing; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                           note = "OTHER = optional phosphorothioate nucleotides"
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                                                                                                                                               1.3%; Score 21; DB 1; Length 21; 100.0%; Pred. No. 39;
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                                                                                                                             Sequence 21 BP; 2 A; 6 C; 3 G; 10 T; 0 U; 0 Other;
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                                                                                                                                                         100.0%; Pred. No. 39;
tive 0; Mismatches
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                                                                                                                                                                                        316 AATCAGAGACAAAGCTGAAGG 336
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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/mod_base=
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*tag= a
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                                                                                                                                                                     Conservative
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                                                                                                                                                         Best Local Similarity
Matches 21; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              modified base
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                                                                                                        of apoptosis.
                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
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                        human clusterin ADL70403. The invention relates to the treatment of menanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin. The antisense oligonucleotides are complementary to a respin of the clusterin mRNA spanning either the translation initiation site or the termination site. They may be modified to increase stability in vivo, e.g. they may be employed as phosphorothioate derivatives and may have 2'-0-(2-methoxyethyl) modifications in the 5' and 3' wings'. A method for regularing expression of bol-xi in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bol-xi is downregulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xi is known to act as an inhibitor
The present sequence is that of an antisense oligonucleotide targeted to
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RNA; siRNA; DNA-RNA hybrid; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 21; DB 1; Length 21;
Pred. No. 39;
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100.0%; Pred. No. J.,
7. 0; Mismatches
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/mod_base= OTHER
/note= "OTHER= TT"
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(GLEA/) GLEAVE M E.
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02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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short interfering
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Gaps

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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL/0403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL/0404-ADL/0421 or short interfering RNA (siRNA) ADL/0422-ADL/0445 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bol-xi in a subject or cell into comparises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bol-xi is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xi is known to act as an inhibitor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; clusterin; antisense; melanoma; cytostatic; gene silencing; ss.
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/mod_base= OTHER
/note= "OTHER= 2'O-methoxyethyl modifications"
18. .21
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                                                                                                                                                                                                                 1.3%; Score 21; DB 1; Length 21; ilarity 71.4%; Pred. No. 39; Conservative 6; Mismatches 0; Indels
                                                                                                                                                                                         Sequence 21 BP; 8 A; 4 C; 1 G; 2 T; 6 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Antisense oligonucleotide to human clusterin.
                                                                                                                                                                                                                                                                              1615 CTAATTCAATAAAACTGTCTT 1635
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(GLEA/) GLEAVE M E.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
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                                                                                                                                                                                                                                                                                                                                                                              ADL70406 standard; DNA; 21
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                                                                                                                                                                                                            Query Match
Best Local Similarity
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modified_base
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                                                                                                                                                                   of apoptosis.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic
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ADL70406/c
ID ADL70
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X888888888888888888
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                                                  The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bcl-xL in a subject or cell clusterin expression. In clustering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor
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short interfering RNA; sIRNA; DNA-RNA hybrid; ss.
                                                                                                                                                                                                                                                                      DB 1; Length 21; 39;
                                                                                                                                                                                                                                                                                                   0; Indels
                                                                                                                                                                                                                                            Sequence 21 BP; 4 A; 2 C; 9 G; 2 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                      1.3%; Score 21; DB
100.0%; Pred. No. 39;
ive 0; Mismatches
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subject a therapeutic agent effective to
clusterin in the melanoma cells.
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                                Claim 10; SEQ ID NO 23; 32pp; English.
                                                                                                                                                                                                                                                                                                                               1098 AAGATGCTCAACACCTCCTCC 1118
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/mod_base= OTHER
/note= "OTHER= TT"
                                                                                                                                                                                                                                                                                                                                               21 AAGATGCTCAACACCTCCTCC 1
     clusterin in the melanoma cells
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; 2002US-0408152P.
; 2002US-0319748P.
; 2003US-0472387P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                           Query Match 1.3
Best Local Similarity 100.
Matches 21, Conservative
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03-SEP-2002;
02-DEC-2002;
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modified_base
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Synthetic.
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04-MAR-2004.
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                                                                            Jansen B;
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subject a therapeutic agent effective to reduce the effective amount of
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short interfering RNA; siRNA, DNA-RNA hybrid, ss.
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100.0%; Pred. No. 39;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 21 BP; 6 A; 6 C; 4 G; 5 T; 0 U; 0 Other;
                                    Claim 7; SEQ ID NO 4; 32pp; English
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20. .21
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/note= "OTHER= TT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21 ATGATGAAGACTCTGCTGCTG 1
            clusterin in the melanoma cells,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   48 ATGATGAAGACTCTGCTG
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Best Local Similarity 100.
Matches 21, Conservative
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modified_base
                                                                                                                                                                                                                                                                                                                                                                                              of apoptosis.
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Synthetic.
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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invantion relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 rargeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bol-xi in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bol-xi is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xi is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                         Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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Pred. No. 39;
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                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 10; SEQ ID NO 21; 32pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
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/note= "OTHER= TT"
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                                                                                        (UYBR-) UNIV BRITISH COLUMBIA.
(GLEA/) GLEAVE M E.
02-DEC-2002; 2002US-0319748P. 20-MAY-2003; 2003US-0472387P.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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ADL70441/c
ID ADL70441 standard; RNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20-MAY-2004 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
                                                                                                                                                                                                                                                  WPI; 2004-226851/21.
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modified_base
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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin AD170403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-AD170421 or short interfering RNA (siRNA) AD170422-AD170445 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bol-xi in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing confision of bol-xi is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xi is known to act as an inhibitor
                                                                       Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /mod_base= OTHER
/note= "OTHER= optional 2'O-methoxyethyl modifications"
18. 21
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/note= "OTHER= optional 2'O-methoxyethyl modifications"
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/note= "OTHER= optional phosphorothioate nucleotides"
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100.0%; Pred. No. 39;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 21 BP; 6 A; 1 C; 4 G; 2 T; 8 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Antisense oligonucleotide to human clusterin.
                                                                                                                                            Claim 20; SEQ ID NO 41; 32pp; English.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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ID ADL70411 standard; DNA; 21
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                                      WPI; 2004-226851/21.
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modified_base
                                                                                                                                                                                                                                                                                                                                                                            of apoptosis.
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     Jansen B;
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                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                         The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADI/0403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADI/0404-ADI/0421 or short interfering RNA (siRNA) ADI/0422-ADI/0445 rargeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bcl-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor of apoptosis.
                                                                                                                     Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 21 BP; 3 A; 5 C; 9 G; 2 T; 2 U; 0 Other;
                                                                                                                                                                                            Claim 20; SEQ ID NO 39; 32pp; English.
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/mod_base= OTHER
/note= "OTHER= TT
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(UYBR-) UNIV BRITISH COLUMBIA.
(GLEA/) GLEAVE M E.
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GLEAVE M E.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-047287P.
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                                                                                      WPI; 2004-226851/21.
                                                   Jansen B;
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RESULT 91

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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The through reduction in the effective amount of clusterin. The therapeutic agant may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 magnet of clusterin melacules direct cleavage of clusterin mRNA. A method for regulating expression of bol-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bol-xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xL is known to act as an inhibitor
                                                                                                                                                                                        Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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short interfering RNA; siRNA; DNA-RNA hybrid; ss.
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100.0%; Pred. No. 39;
vative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 21 BP; 4 A; 3 C; 9 G; 2 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                Claim 20; SEQ ID NO 37; 32pp; English.
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/note= "OTHER= TT"
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                                        (UYBR-) UNIV BRITISH COLUMBIA.
(GLEA/) GLEAVE M E.
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20-MAY-2003; 2003US-0472387P.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
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/*tag=
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Best Local Similarity
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modified_base
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                                                                                                           Jansen B;
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ADL70438
ID ADL70
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                             The present sequence is that of an antisense oligonucleotide targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The melanoma through reduction in the effective amount of clusterin. The artisense oligonucleotide ADL70404-ADL70421.

The antisense oligonucleotides are complementary to a region of the clusterin mRNA spanning either the translation initiation of the termination site. They may be modified to increase stability in vivo, e.g. they may be employed as phosphorothioate derivatives and may have 2' c-0-(2-methoxyethyl) modifications in the 5' and 3' 'wings'. A method for regulating expression of bcl-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing clusterin-expressing clusterine administration is significant because bcl-xL is known to act as an inhibitor
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                                                                                                                                                                      Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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short interfering RNA; siRNA; DNA-RNA hybrid; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 21 BP; 3 A; 5 C; 9 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                           Claim 6; SEQ ID NO 9; 32pp; English
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/note= "OTHER= TT
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                      (UYBR-) UNIV BRITISH COLUMBIA. (GLEA/) GLEAVE M E.
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ADL70439 standard; RNA; 21 BP
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
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Best Local Similarity 100.0
....hes 21; Conservative
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modified_base
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Synthetic.
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                                                                                       Jansen B;
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RESULT 93 ADL70439/

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Gaps

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The present sequence is that of an antisense oligonucleotide targeted to human clusterin Abi70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide Abi70404-Abi70404.

The antisense oligonucleotides are complementary to a region of the clusterin mRNA spanning either the translation initiation site or the termination site. They may be modified to increase stability in vivo, e.g. they may be employed as phosphorothicate derivatives and may have 2.

Co. (2-methoxyethyl) modifications in the 5' and 3' 'wings'. A method for regulating expression of bol-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin administering an agent effective mount of clusterin regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xL is known to act as an inhibitor
                                                                                                                                                                 Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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/note= "OTHER= optional 2'0-methoxyethyl modifications"
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/mod_base= OTHER
/note= "OTHER= optional 2'0-methoxyethyl modifications"
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/note= "OTHER= optional phosphorothioate nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 21 BP; 1 A; 4 C; 12 G; 4 T; 0 U; 0 Other;
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100.0%; Pred. No. 39;
ative 0; Mismatches
                                                                                                                                                                                                                               Claim 6; SEQ ID NO 12; 32pp; English.
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                                                     (UYBR-) UNIV BRITISH COLUMBIA.
(GLEA/) GLEAVE M E.
        02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BP.
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                                                                                                                                   WPI; 2004-226851/21.
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modified_base
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Best Local Similar
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Synthetic.
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                                                                                                                                                                                    The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bcl-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor of apoptosis.
                                                                                          Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /*tag= c
/mod_base= OTHER
/note= "OTHER= optional 2'O-methoxyethyl modifications"
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/hoote "OTHER optional 2'O-methoxyethyl modifications"
18. .21
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/note= "OTHER= optional phosphorothioate nucleotides"
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                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 21 BP; 3 A; 9 C; 3 G; 2 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Antisense oligonucleotide to human clusterin.
                                                                                                                                                         Claim 20; SEQ ID NO 36; 32pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               482 CCAGAGCTCGCCCTTCTACTT 502
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                                                                                                               subject a therapeutic agent effeclusterin in the melanoma cells.
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ID ADL70414 standard; DNA; 21
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/*tag= a
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                                                               WPI; 2004-226851/21
(GLEA/) GLEAVE M E.
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                                 Jansen B;
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Gaps ö

Indels

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DB 1; Length 21; 39;

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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADD/0403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADD/0404-ADD/0421 or short interfering RNA (siRNA) ADD/0402-ADD/0405 magnet of clusterin and expression of bol-xi in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin expression of bol-xi is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xi is known to act as an inhibitor
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/ttag= a
/mod base= OTHER
/note= "OTHER= optional 2'O-methoxyethyl modifications"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 10; SEQ ID NO 25; 32pp; English.
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/mod_base= OTHER
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                                                                                                                                             21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2002US-0472387P.
                                                                                                    21-AUG-2003; 2003WO-CA001276
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Best Local Similarity
Matches 21; Conserv
                                                                                                                                                                                                                                                                               (GLEA/) GLEAVE M E
                      WO2004018675-A1.
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                                                              04-MAR-2004.
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short interfering RNA; siRNA; DNA-RNA hybrid; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 6, SEQ ID NO 7, 32pp; English.
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/mod base= OTHER
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(GLEA/) GLEAVE M E.
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02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
                                                                                  21-AUG-2003; 2003WO-CA001276.
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Best Local Similarity 100.
Matches 21, Conservative
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WO2004018675-A1.
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modified_base
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                                                                                                                             21-AUG-2002;
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Synthetic.
                                        04-MAR-2004
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ADL70424
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                                  /note= "OTHER= optional 2'O-methoxyethyl modifications"
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0
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Pred. No. 39;
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100.0%; Pre
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                         /mod_base= OTHER
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                                                                                                                                                                              BRITISH COLUMBIA
                                                                                                                      21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
                                                                                                   21-AUG-2003; 2003WO-CA001276.
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Matches 21; Conserv
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GLEAVE M E.
                                                        WO2004018675-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   apoptosis.
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Synthetic.
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     modified base
                                                                               04-MAR-2004
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                                                                                                                                                                                                              Jansen B;
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The present sequence is that of an antisense oligonucleotide targeted to human clusterin ADL70403. The invention relates to the treatment of human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therepetic agent may be an antisense oligonucleotide ADL70404-ADL70421.

The antisense oligonucleotides are complementary to a region of the clusterin mRNA spanning either the translation initiation of the clusterin mRNA spanning either the translation initiation site or the termination site. They may be modified to increase stability in vivo, e.g. they may be employed as phosphorocthicate derivatives and may have 2.

Co(2-methoxyethyl) modifications in the 5' and 3' wings'. A method for regulating expression of bcl-xi in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin administering when the effective amount of clusterin is reduced. Such regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
                                                                                                                                                                                                                            /*tag= c
/mod_base= OTHER
/note= "OTHER= optional 2'O-methoxyethyl modifications"
                                                                                  Gaps
                  "mod_base= OTHER
'note= "OTHER= optional phosphorothioate nucleotides"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 21 BP; 3 A; 5 C; 6 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 6; SEQ ID NO 5; 32pp; English.
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(GLEA/) GLEAVE M E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2002US-0405193P.
2002US-0408152P.
2002US-0319748P.
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*tag=
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Best Local Similarity
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03-SEP-2002;
02-DEC-2002;
                                                                                                                                                                                                       modified base
                                                                                  modified base
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The present invention describes a radiation hybrid map of the dog (Canine familiaris) genome comprising the genome location of a marker selected from AAA66139 to AAA66942. The radiation hybrid map is useful for identifying and localising dog genes, since it covers approximately 80 to f. the dog genome and provides a dense map integrating different types of the dog genome and Type II) of markers. The map and the dog genome markers (or complementary sequences) are especially useful to identify genes responsible for phenotypic and behavioural traits in dogs, to identify morbid genes, to analyse diseases and identify implicated genes in such diseases and their alleles, and to study dog pedigrees. They may also be useful for isolating corresponding human gene sequences e.g. genes involved in genetic diseases
                                                                                                                                                                                                                                                                                                                                                                                                           genome, useful
behavioral traits
chromosome location; gene marker; polymorphic microsatellite marker; phenotype; behaviour; pedigree; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; antisense inhibition; antisense oligonucleotide; clusterin; hypercholesterolaemia; cardiovascular disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indela
                                                                                                                                                                                                                                                                                                                                                                                                       New radiation hybrid map of the dog, Canine familiaris, for e.g. identifying genes implicated in phenotypic and or in genetic diseases and for studying dog pedigrees.
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91.7%; Pred. No. 67;
ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1467 CCCCCAGAGAGCTCTGCACGTC 1490
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Matches 22; Conservative
                                                                                                                                                                                                                                                                                                                        Galibert F, Andre C;
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                                                                 Canis familiaris.
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      유
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin AD170403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonocleotide AD170404 to short interfering RNA (siRNA) AD17042-AD170445 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bol-xi in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bol-xi is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xi is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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                                         Human, clusterin; RNAi, melanoma; cytostatic; gene silencing;
short interfering RNA; siRNA; DNA-RNA hybrid; ss.
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81.0%; Pred. No. 39;
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                                                                                                                                                                       Location/Qualifiers
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/note= "OTHER= TT"
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2002US-0319748P.
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02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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*tag= a
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  RNAi for human clusterin.
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Best Local Similarity
Matches 17; Conserv
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modified_base
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                                                                                                                             Synthetic
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Best Local Similarity
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Matches
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                                                                                                                                           The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-0-methoxyethyl wings
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention comprises antisense oligonucleotides that are capable of
                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
                                                                           Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             antisense inhibition; antisense oligonucleotide; clusterin;
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0
                                                                                                                                                                                                                                                                                               DB 1; Length 20;
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                                                                                                                                                                                                                                                                       Sequence 20 BP; 2 A; 5 C; 6 G; 7 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                               1.2%; Score 20;
                                                                                                                                                                                                                                                                                                                                           324 ACAAAGCTGAAGGAGCTCCC 343
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                                                                                                                         Claim 3; Page 83; 125pp; English.
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Les 20; Conservative
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             (ISIS-) ISIS PHARM INC
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                                  Freier SM;
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                                                        WPI; 2002-404805/43.
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                                   Monia BP,
                                                                                                                                                                                                                                                                                               Query Match
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Matches
                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 103
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inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the sypression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present hym sequence represents a clusterin antisense oligonucleotide of the invention. Order: The present DNA sequence has a phosphorothicate backbone and also contains 2'-O-methoxyethyl wings
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iive 0; Mismatches
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperpoliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated uith hyperprise condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperprised minal whyperlipidemic disorders; and hyperlipidemic disorders.). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    967 AGAICTIGICIGIGGACTGT 986
                                                                                                                                                                                                                                                              Claim 3; Page 84; 125pp; English.
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10-SEP-2001; 2001WO-US028235
                                   11-SEP-2000; 2000US-00659791
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hes 20; Conservative
                                                                        (ISIS-) ISIS PHARM INC.
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated vith clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hypercholesterolaemia; cardiovascular disorders; by a sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone and also contains 2'-O-methoxyethyl wings
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                                                                                              Human; antisense inhibition; antisense oligonucleotide; clusterin;
                                                               Human clusterin inhibiting antisense oligonucleotide 2.
                                                                                                          hypercholesterolaemia; cardiovascular disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
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ABN99668;
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                                                                             286 AGAAAGAGGATGCCCTAAAT 305
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                                                                                                   AGAAAGAGGATGCCCTAAAT 1
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             Query Match
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100.0%; Prec. ....
                                                    21 GCGTGCAAAGACTCCAGAAT 40
                                                                      20 GCGTGCAAAGACTCCAGAAT 1
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359 GACCATGATGGCCCTCTGGG 378

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GACCATGATGCCCTCTGGG 1

20

ABN99668 standard; DNA; 20 BP.

RESULT 111 ABN99668/ ID ABN9 XX

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1.2%; Score 20; DB 1; Length 20;

Gaps

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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia, cardiovascular disorders, hyperproliferative disorders, and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone
                                                                                The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders; bNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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Mismatches
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                                                     Claim 3; Page 83; 125pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                201 GGGGTGAAACAGATAAAGAC 220
                                                                                                                                                                                                                                                                                                  Claim 3; Page 83; 125pp; English
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ABN99695/c
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Human, antisense inhibition; antisense oligonucleotide; clusterin; hypercholesterolaemia; cardiovascular disorder; ss; hyperpoliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-O-methoxyethyl wing.
                                                                                                                                Human clusterin inhibiting antisense oligonucleotide 36.
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                     ABN99702 standard; DNA; 20
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ABN99704/c
   ABN99702/c
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                                    Sequence 20 BP; 3 A; 5 C; 6 G; 6 T; 0 U; 0 Other;
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                                                           1.2%; Scor.
100.0%; Pred. No. *c.,
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and also contains 2'-0-methoxyethyl wings
                                                                                                                                               608 AGACGAGCTCTTCCAGGACA 627
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                                                                                                                                                                                  20 AGACGAGCTCTTCCAGGACA 1
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                                                     Query Match
Best Local Similarity 100.0
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; bNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
                                                                                                                                                                                                                                                 Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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hypercholesterolaemia; cardiovascular disorder; se;
hyperproliferative disorder; hyperlipidemic disorder;
phosphorothioate backbone; 2. O-methoxyethyl wing.
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iive 0; Mismatches 0; Indels
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11-SEP-2000; 2000US-00659791.
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                                                           (ISIS-) ISIS PHARM INC
                                                                                                                             Monia BP, Freier SM;
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders;
                                                                                                                                                          The invention comprises antisense oligonuclectides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonuclectides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonuclectides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia, cardiovascular disorders). The present DNA sequence represents a clusterin antisense oligonuclectide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone and also contains 2'-O-methoxyethyl wings
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                               Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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WPI; 2002-404805/43
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                                                                                                                                                                                                                                                                                                                                                  Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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100.0%; Pred. No.
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ABN99670 standard; DNA; 20
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hyperproliferative disorders, and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-0-methoxyethyl wings
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                                                          Sequence 20 BP; 6 A; 4 C; 7 G; 3 T; 0 U; 0 Other;
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inhibiting expression of the human clusterin gene. The antisense oligonuclectides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonuclectides are also useful for treating an animal with a disease or condition associated with
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                                                                                                      Human, antisense inhibition, antisense oligonucleotide, clusterin, hypercholesterolaemia, cardiovascular disorder, ss, hyperproliferative disorder, phyperlipidemic disorder, phosphorothioate backbone, 2'-0-methoxyethyl wing.
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                                                       Human clusterin inhibiting antisense oligonucleotide 4.
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Pred. No.
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(first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Freier SM;
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Monia BP, Freier SM;
                             WPI; 2002-404805/43.
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                                                                                                                                                                                                                                                  Query Match
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                                                                                                                                                                                                                                                             The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with hyperproliferative disorders, and hyperlipidemic disorders; hyperproliferative disorders; and hyperlipidemic disorders; DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone
                                                                                                                                                                                                  Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                 1.2%; Score 20; DB 1; Length 20; .00.0%; Pred. No. 45;
                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human clusterin inhibiting antisense oligonucleotide 56
hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
                                                                                                                                                                                                                                                                                                                                                                              Sequence 20 BP; 4 A; 6 C; 5 G; 5 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                          and also contains 2'-O-methoxyethyl wings
                                                                                                                                                                                                                                                                                                                                                                                                                                           380 AGAGTGTAAGCCCTGCCTGA 399
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                                                                                                                  11-SEP-2000; 2000US-00659791
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Best Local Similarity 100.
Matches 20; Conservative
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                                                                                                                                     (ISIS-) ISIS PHARM INC
                                                                                                                                                          Freier SM;
                                                                                                                                                                               WPI; 2002-404805/43.
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                                Homo sapiens.
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hypercholiferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 hypercholesterolaemia; cardiovascular disorder; ss;
hyperproliferative disorder; hyperlipidemic disorder;
phosphorothioate backbone; 2'-0-methoxyethyl wing.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20 BP; 7 A; 2 C; 7 G; 4 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1275 TITGACICTGAICCCAICAC 1294
                                                                                                                                                                   Claim 3; Page 84; 125pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20 TTTGACTCTGATCCCATCAC 1
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455 TGGCCGCCAGCTTGAGGAGT 474
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expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia, cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders; The presente and hyperlipidemic disorders). The present antisense oligonucleotide of the invention. NOTE: The present bNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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                                                                                                                                                      Sequence 20 BP, 2 A; 7 C; 5 G; 6 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                       13 TGACCGAGGCGTGCAAAGAC 32
                                                                                                                                                                                                                                                                                                   20 TGACCGAGGCGTGCAAAGAC
                                                                                                                                                                                                                                                                                                                                                                                                       ABN99687 standard; DNA; 20 BP
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Best Local Similarity 100.0
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hes 20; Conservative
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Best Local &
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ABN99687/c
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inhibiting expression of the invention are useful for inhibiting expression of the invention are useful for inhibiting the expression of clusterin are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia, cardiovascular disorders) hyperproliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-0-methoxyethyl wings
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100.0%; Pred. No. 45;
ive 0; Mismatches 0; Indels
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Best Local Similarity 100.
Matches 20; Conservative
                                                                                                                                                                                ABN99712 standard; DNA;
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ABN99725/c
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Gaps

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DB 1; Length 20; 0; Indels

1.2%; Score 20; DB 100.0%; Pred. No. 45; ive 0; Mismatches

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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperprolipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone and also contains 2'-O-methoxyethyl wings
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hyperproliferative disorder; hyperlipidemic disorder;
phosphorothioate backbone; 2'-0-methoxyethyl wing.
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders; The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hypercholiferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone and also contains 2'-O-methoxyethyl wings
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             10-SEP-2001; 2001WO-US028235.
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Best Local Similarity 100.
Matches 20, Conservative
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                                                                                                (ISIS-) ISIS PHARM INC
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                                                                                                                                          Freier SM;
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                                                                                                                                            Monia BP,
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                                                                              Human; antisense inhibition; antisense oligonucleotide; clusterin; hypercholesterolaemia; cardiovascular disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
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                                          Human clusterin inhibiting antisense oligonucleotide 55.
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RESULT 133

ABN99669,

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Gaps

Sequence 20 BP; 7 A; 3 C; 6 G; 4 T; 0 U; 0 Other;

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                                      The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also clusterin for treating an animal with a disease or condition associated with hyperproliferative disorders; and hyperlipidemic disorders; The present by sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present by sequence has a phosphorothicate backbone and also contains 2'-O-methoxyethyl wings
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100.0%; Pred. No. 45;
ative 0; Mismatches 0; Indels
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                                                                                                                                                                                              Sequence 20 BP; 4 A; 7 C; 8 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                443 CTCAGGCCTGGTTGGCCGCC 462
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             Claim 3, Page 83; 125pp; English.
                                                                                                                                                                                                                                                                                                   CTCAGGCCTGGTTGGCCGCC 1
                                                                                                                                                                                                                                                                                                                                                                                ABN99689 standard; DNA; 20 BP
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Best Local Similarity 100.0
Matches 20; Conservative
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DB 1; Length 20; 45;
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Score 20;
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  1.2%;
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                        Best Local Similarity 100.
Matches 20; Conservative
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Matches 20; Conservative
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ABN99720/c
ID ABN9972
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ABN99703/
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inhibiting expression of the human clusterin gene. The antisense oligomuclectides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligomuclectides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligomuclectide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone
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WO200222635-A1.
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tive 0; Mismatches 0; Indels
                                                                                                Human clusterin inhibiting antisense oligonucleotide 54.
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders, hyperproliferative disorders, and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone
invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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hyperproliferative disorder; hyperlipidemic disorder;
phosphorothioate backbone; 2'-0-methoxyethyl wing.
                                                                    Sequence 20 BP; 5 A; 6 C; 3 G; 6 T; 0 U; 0 Other;
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es 20; Conserv
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  Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with
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100.0%; Pred. No. 2.,
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                                                                                            Claim 3; Page 84; 125pp; English.
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                                                                                             Human clusterin inhibiting antisense oligonucleotide 42.
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone and also contains 2'-O-methoxyethyl wings
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                                                               11-SEP-2000; 2000US-00659791.
10-SEP-2001; 2001WO-US028235.
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                                                                                                                                 (ISIS-) ISIS PHARM INC.
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-0-methoxyethyl wings
clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present by sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-0-methoxyethyl wings
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Pred. No. 45;
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Pred. No. 45;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   hypercholesterolaemia; cardiovascular disorder; 88; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
                                                                                                                                         Sequence 20 BP; 4 A; 6 C; 5 G; 5 T; 0 U; 0 Other;
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100.0%; Pred. No. -c...
... 0; Mismatches
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                                                                                                                                                                                                       The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with
                                                                                                                                                                                                                                                                                                                        clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present bNA sequence represents a clusterin antisense oligonuclectide of the invention. NOTE: The present bNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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                                                                                             clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
                                                                     Novel antisense compound targeted to nucleic acid molecule encoding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; antisense inhibition; antisense oligonucleotide; clusterin; hypercholesterolaemia; cardiovascular disorder; ss; hyperproliferative disorder; hyperproliferative disorder; phosphorothioate backboone; 2'-0-methoxyethyl wing.
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100.0%; Pred. No.
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Matches 20; Conservative
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AGCTCTTCCAGGACAGGTTC 1

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The invention comprises antisense oligomucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligomucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligomucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders, hypercholesterolaemia; cardiovascular disorders.) The present DNA sequence represents a clusterin antisense oligomucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone and also contains 2'-0-methoxyethyl wings
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                                                                                                                  Human clusterin inhibiting antisense oligonucleotide 49.
                                                                                                                                                           hypercholesterolaemia; cardiovascular disorder; ss;
hyperproliferative disorder; hyperlipidemic disorder;
phosphorothioate backbone; 2'-0-methoxyethyl wing.
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100.0%; Pre
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                              ABN99715 standard; DNA; 20
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Best Local S
Matches 20
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RESULT 147
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; by prepriotiferative disorders; and hyperlipidemic disorders). The present bNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone and also contains 2'-O-methoxyethyl wings
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hypercholesterolaemia; cardiovascular disorder; ss;
hyperproliferative disorder; hyperlipidemic disorder;
phosphorothioate backbone; 2'-0-methoxyethyl wing.
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Conservative 0; Mismatches
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oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone
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ive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                        Sequence 20 BP; 3 A; 9 C; 3 G; 5 T; 0 U; 0 Other;
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ive 0; Mismatches
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with hyperproliferative disorders, and hyperlipidemic disorders; The present bNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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                             Human; antisense inhibition; antisense oligonucleotide; clusterin;
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Human clusterin inhibiting antisense oligonucleotide 30.
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                                             hypercholesterolaemia; cardiovascular disorder; ss;
hyperproliferative disorder; hyperlipidemic disorder;
phosphorothioate backbone; 2'-0-methoxyethyl wing.
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone
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Pred. No. 45;
0; Mismatches 0; Indels
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tive 0; N
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Best Local Similarity
Thes 20; Conserve
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Llarity 100.0%; Pred. No. 45;
Conservative 0; Mismatches 0; Indels
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders) hyperproliferative disorders, and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone and also contains 2'-O-methoxyethyl wings
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                                                                                  Human, antisense inhibition; antisense oligonucleotide; clusterin; hypercholesterolaemia; cardiovascular disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
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                                               Human clusterin inhibiting antisense oligonucleotide 33.
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Best Local Similarity 100.
Matches 20; Conservative
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clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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tive 0; Mismatches
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                     10-SEP-2001; 2001WO-US028235
                                          11-SEP-2000; 2000US-00659791
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                                                                  (ISIS-) ISIS PHARM INC
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                                                                            The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemis; cardiovascular disorders; by appropriate and hyperpriate disorders, and hyperpriate disorders and hyperpriate disorders and hyperpriate disorders and hyperpriate disorders. The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone and also contains 2'-O-methoxyethyl wings
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hyperproliferative disorder; hyperlipidemic disorder;
phosphorothioate backbone; 2'-0-methoxyethyl wing.
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3; Page 83; 125pp; English.
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Human clusterin inhibiting antisense oligonucleotide 10.
standard; DNA; 20
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Matches 20; Conservative 0; Mismatches 0; Indels
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hypercholiferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone and also contains 2'-O-methoxyethyl wings
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Human; antisense inhibition; antisense oligonucleotide; clusterin; hypercholesterolaemia; cardiovascular disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
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Matches 20; Conservative
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RESULT 163 ABN99676/c

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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present bNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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                 Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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                                                                                                              Claim 3; Page 83; 125pp; English
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Matches 20; Conservative
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                                                                                                            10-SEP-2001; 2001WO-US028235
                                                                                                                                                             11-SEP-2000; 2000US-00659791
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10-SEP-2001; 2001WO-US028235
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                                                                                                                                                                                                         (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                        Freier SM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Monia BP, Freier SM;
                                                                                                                                                                                                                                                                                                       WPI; 2002-404805/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2002-404805/43.
                      WO200222635-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16-AUG-2002
                                                                21-MAR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21-MAR-2002
                                                                                                                                                                                                                                                        Monia BP,
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The present invention concerns an analysis of genes differentially expressed in synovial tissues from rheumatoid arthritis (RA) and categorathritis (RA) patients. Microarray technology was used to compare gene expression profiles, and sets of genes were identified based on over-expression or under-expression in RA samples compared to OA samples. Results for 6 of the selected genes (GBPI,CUL, RHYO, GLOI, DKS and CTSL) were verified by real-time, quantitative PCR using samples identical to those used in the microarray experiments and also entirely separate samples. The present sequence is that of a reverse PCR primer for CLU; a forward primer is also provided ADO7105. CLU was shown to be underexpressed in RA relative to OA samples. The invention provides libraries and arrays of polymucleotide sequences useful for prognosticating or disposing RA or OA. Methods are also provided for following the efficiency of a treatment against RA or OA, and for screening potential therefore the respective sequences useful for screening potential therefore the research of the companies of the com
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New library of polynucleotide sequences expressed in cells from synovial tissues, useful for diagnosing and treating rheumatoid arthritis or osteoarthritis.
those used in the microarray experiments and also entirely separate samples. The present sequence is that of a forward PCR primer for CLU; a reverse primer is also provided ADO07106. CLU was shown to be under-expressed in RA relative to OA samples. The invention provides libraries and arrays of polynucleotide sequences useful for prognosticating or diagnosing RA or OA. Methods are also provided for following the efficiency of a treatment against RA or OA, and for screening potential
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Rheumatoid arthritis, osteoarthritis, microarray, molecular profiling, diagnosis, antiarthritic, CLU, PCR; primer, human; ss.
                                                                                                                                                                                                                                                                                                                                                                    Gaps
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                                                                                                                                                                                                                                                                                                          1.2%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 45;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                        Sequence 20 BP; 6 A; S C; S G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (INRM ) INSERM INST NAT SANTE & RECH MEDICALE. (ASSI-) ASSISTANCE PUBLIQUE HOPITAUX PARIS. (COMS ) COMMISSARIAT ENERGIE ATOMIQUE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Chiocchia G;
                                                                                                                                                                                                         therapeutic agents for treating RA or OA.
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                                                                                                                                                                                                                                                                                                                                                                                                                            1180 GCGAAGACCAGTACTATCTG 1199
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Marion S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ВР
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLU gene reverse PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADO07106 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                       20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2004-348476/32.
                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADC07106;
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The present sequence is the sense strand of a short interfering RNA (siRNA) targeted to human clusterin. The antisense strand is also provided ADL70465. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRRM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SiRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                                                                                                                                                                                                                                                  RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Trougakos IP;
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                               1.2%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 45;
                                                               Indels
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Sequence 20 BP; 2 A; 5 C; 5 G; 8 T; 0 U; 0 Other;
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                                                                0; Mismatches
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/note= "OTHER= dTdT"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                1361 GCTGCAGGAATACCGCAAAA 1380
                                                                                                                (UYBR-) UNIV BRITISH COLUMBIA.
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                   100.08;
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                                                                                                                                                                                                            ADL70464 standard; RNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    *tag= a
                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                         RNAi for human clusterin.
                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gleave ME,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-226852/21.
                                  Query Match
Best Local Similarity
Matches 20; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     disease or cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO2004018676-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  modified base
                                                                                                                                                                                                                                                                                                                                                                                                       sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic.
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Gonos ES;
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                                                                                                                                                                                RESULT 168
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RESULT 169

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Clusterin (also known as complement cytolysis inhibitor, sulfated glycoprotein-2, testosterone repressed prostate message-2, SP-40, 40 and ApoJ) is essential for the migration of vascular smooth muscle cells (VSMC). The gene and protein can, therefore, be used to promote wound healing, angiogenesis and vasculogenesis, in the treatment of stenosis following vascular trauma or disease and to treat atherosclerosis, and antisense sequences can be used to treat cancer, as angiogenesis is vital
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Clusterin and gp38K-related peptide capable of altering cell migration useful for treating atherosclerosis, cancer and stenosis following vascular trauma or disease.
                                                                                                                                                                                                                                                                                                           Mouse; clusterin; cell migration; wound healing; anglogenesis; cancer; vascular trauma; vascular disease; atherosclerosis; restenosis; complement cytolysis inhibitor; SP-40; 40; apoJ; testosterone repressed prostate message-2; sulfated glycoprotein-2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present sequence is a PCR primer for the murine clusterin gene.
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 Indels
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 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (UYNY ) UNIV NEW YORK STATE RES FOUND.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      291
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                                    67
                                                         1 AUGAUGAAGACUCUGCUGCT 20
 2
                                                                                                                                                                                                                                                                              Murine clusterin PCR primer #2.
                                    48 ATGATGAAGACTCTGCTGCT
                                                                                                                                                                   BP
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                                                                                                                                                                 21
                                                                                                                                                                                                                                          (first entry)
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   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                 DNA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          for tumour survival
                                                                                                                                                                 AAA52782 standard;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200034469-A1.
                                                                                                                                                                                                                                                                                                                                                                                          PCR primer; 88
                                                                                                                                                                                                                                          03-JAN-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11-DEC-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15-JUN-2000.
   15;
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                                                                                                                                                                                                       AAA52782;
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                                                                                                                                RESULT 170
AAA52782
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   Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the creatment of melanoma through reduction in the effective amount of clusterin. The through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 trageted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bcl.*L in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing ells, expression of bcl.*L is down-regulated when the effective amount of clusterin is significant because bcl.*L is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
                                                       Gaps
                                                       ö
                                                                                                                                                                                                                                                                                                                                                                     Human, clusterin; RNAi; melanoma; cytostatic; gene silencing; short interfering RNA; siRNA; DNA-RNA hybrid; ss.
                     Length 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 20; DB 1; Length 21;
Pred. No. 54;
                                                     0; Indels
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                   DB 1;
54;
                                                       Mismatches
                   Score 20;
Pred. No.
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/note= "OTHER= TT"
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                                                                                                               5;
                                                                                            48 ATGATGAAGACTCTGCTGCT
                                                                                                                                                                                                                       BP
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GLEAVE M E.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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                 1.2%;
ilarity 75.0%;
Conservative
                                                                                                                                                                                                                       ADL70430 standard; RNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         *tag= a
                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                    RNAi for human clusterin.
                   Query Match
Best Local Similarity
Matches 15; Conserv
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Best Local Similarity
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modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                              sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                           ADL70430;
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(UYBR-) (GLEA/)

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RNA interference, RNAi, short interfering RNA; siRNA; human, clusterin, cytostatic, neuroprotective, nootropic, gene silencing; DNA-RNA hybrid;
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                                                                                                                                                                                                                                                                                                                             03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                        21-AUG-2003; 2003WO-CA001277.
            20-MAY-2004 (first entry)
                                      RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-226852/21.
                                                                                                                                                                                                                                      WO2004018676-A2
                                                                                                                                                        Key
modified_base
                                                                                                                                                                                                                                                                                                                21-AUG-2002;
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                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                              Jansen B,
                                                                                                                                                                                                                                                                                                                                                                                                          Gonos ES
                                                                                                                    Homo
The present sequence is the sense strand of a short interfering RNA (siRNA) targeted to a specific portion AD170521 of human clusterin cDNA. The antisense strand is also provided AD170523. The siRNA can be used to interfere with the expression of clusterin, clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease. In an example from the invention, the present siRNA was used to examine the effects of clusterin gene silencing in PC-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          prostate cancer cells. A reduction in clusterin transcript was observed.
                                  RNA interference, RNAi, short interfering RNA; siRNA; human, clusterin, cytostatic, neuroprotective, nootropic, gene silencing, DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                    Trougakos IP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.2%; Score 19; DB 1; Length 19; 73.7%; Pred. No. 52;
                                                                                                                                                                                                                                                                                                                                                                  Signaevsky M, Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 19 BP; 5 A; 4 C; 5 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 4; SEQ ID NO 67; 63pp; English
                                                                                                                                                                                  /note= "OTHER= drdT"
                                                                                                                              Location/Qualifiers
                                                                                                                                                      /*tag= a
/mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                        UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                    21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                             21-AUG-2003; 2003WO-CA001277
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 73.7
Matches 14; Conservative
          RNAi for human clusterin
                                                                                                                                                                                                                                                                                                                                                                  Gleave ME,
                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         disease or cancer.
                                                                                                                                                                                                         WO2004018676-A2
                                                                                                                            Key
modified_base
                                                                                         Homo sapiens.
                                                                                                                                                                                                                                   04-MAR-2004
                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                                                                                 Jansen B,
Gonos ES;
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Trougakos IP;

Gleave ME, Signaevsky M, Beraldi E,

/note= "OTHER= dIdT"

/mod base= OTHER

/*tag= a

Location/Qualifiers

sapiens.

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The present sequence is the antisense strand of a short interfering RNA (sIRNA) targeted to a specific portion ADL70521 of human clusterin cDNA. The sames strand is also provided ADL70522. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate clumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SIRNAs of the invention can be used alone or in combination with other chempty or appoptosis inducing treatments for the treatment of prostate cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of anaplastic large cell lymphoma and melanoma, and also for the treatment of alzheimer's disease. In an example from the invention, the present siRNA was used to examine the effects of clusterin gene silencing in PC-3 prostate cancer cells. A reduction in clusterin transcript was observed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 1; Length 19; 52;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 19 BP; 5 A; 5 C; 4 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1.2%; Score 19;
100.0%; Pred. No.
                                                                                                                                                                      Claim 4; SEQ ID NO 68; 63pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  99
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  48 ATGATGAAGACTCTGCTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATGATGAAGACTCTGCTGC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity 100.
nes 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
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ID ADL7
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Gaps

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0; Indels

5; Mismatches

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ò 요 ADL70523 standard; RNA; 19 BP.

ADL70523;

ADL70444;

Synthetic.

Homo

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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADD/70403. The invention relates to the treatment of metamoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL/70404-ADL/70421 or short interfering RNA (siRNA) ADL/70422-ADL/70445 trageted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bol-xi in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bol-xi is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xi is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
                                                                               gene silencing;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1.2%; Score 19; DB 1; Length 19; 00.0%; Pred. No. 52; ve 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 19 BP; 5 A; 5 C; 4 G; 0 T; 5 U; 0 Other;
                                                                               Human, clusterin; RNAi, melanoma; cytostatic;
short interfering RNA; siRNA; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 20; SEQ ID NO 43; 32pp; English.
                                                                                                                                                                                                   Location/Qualifiers
18. .19
                                                                                                                                                                                                                                              /*tag= a
/mod_base= OTHER
/note= "OTHER= TT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              48 ATGATGAAGACTCTGCTGC 66
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (UYBR-) UNIV BRITISH COLUMBIA (GLEA/) GLEAVE M E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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  20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADL70465 standard; RNA; 21
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                                        RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-226851/21.
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                                                                                                                                                                                                                                                                                                                               WO2004018675-A1
                                                                                                                                                                                                         Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                of apoptosis.
                                                                                                                                             sapiens
                                                                                                                                                                                                                                                                                                                                                                        04-MAR-2004.
                                                                                                                                                                 Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Jansen B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13
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ADL70465/c
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL/0403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligomocleotide ADL/0404-ADL/0421 or short interfering RNA (siRNA) ADL/0422-ADL/0445 magneted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bcl.-xi in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl.-xi is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xi is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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                                                                                                                                           Human, clusterin; RNAi, melanoma; cytostatic; gene silencing;
short interfering RNA; siRNA; DNA-RNA hybrid; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 19; DB 1; Length 19; Pred. No. 52;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 20; SEQ ID NO 42; 32pp; English.
                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                                       18. .19
/*tag= a
/mod_base= OTHER
/note= "OTHER= TT"
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03-SBP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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Best Local Similarity 73.7%;
Matches 14; Conservative
                                                         20-MAY-2004 (first entry)
                                                                                                  RNAi for human clusterin.
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                                                                                                                                                                                                                                                                     Key
modified base
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Jansen B;

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Gaps

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ADL70445

ADL70445/c ID ADL70 XX AC ADL70 XX

RESULT 174

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Synthetic.

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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADI/70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADI/70404. ADI/70421 or short interfering RNA (siRNA) ADI/70422-ADI/70445 targeted to clusterin. The siRNAB molecules direct cleavage of clusterin mRNA. A method for regulating expression of bol-xL in a subject or cell clusterin expression. In clusterin-expressing cells, expression of bol-xL is down to subject or cell inhibition is significant because bol-xL is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                rreating melanoma in a mammalian subject comprises administering to t
subject a therapeutic agent effective to reduce the effective amount
clusterin in the melanoma cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ss; primer; cytostatic; antidiabetic; anorectic; cerebroprotective;
neuroprotective; antiinflammatory; gene therapy; antisense therapy;
thyromimetic; NOVX; pathology; cancer; diabetes; obesity;
RNAi; melanoma; cytostatic; gene silencing;
RNA; siRNA; DNA-RNA hybrid; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human NOVX polypeptide gene reverse primer SEQ ID NO: 417.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 19; DB 1; Length 21;
Pred. No. 75;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 21 BP; 5 A; 5 C; 4 G; 2 T; 5 U; 0 Other;
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                                                                                                                     Location/Qualifiers
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100.0%; Pre
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/note= "OTHER= TT"
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GLEAVE M E.
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02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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ID ADC10398 standard; DNA; 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                /*tag= a
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hes 19; Conserv
          Human, clusterin;
short interfering
                                                                                                                                                                                                                                             WO2004018675-A1
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                                                                                                                                              modified_base
                                                                   Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                           21-AUG-2002;
                                                                                                                                                                                                                                                                                04-MAR-2004
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                                                                                       Synthetic
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(GLEA/)
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present sequence is the antisense strand of a short interfering RNA (sirNA) targeted to human clusterin. The sense strand is also provided ADL70464. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SCP-2), is expressed in increased amounts by prostate timour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. siRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, badder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Trougakos IP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.2%; Score 19; DB 1; Length 21;
100.0%; Pred. No. 75;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 21 BP; S A; S C; 4 G; 2 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 4; SEQ ID NO 10; 63pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Signaevsky M,
                                                                                                                                                                                                                 /*tag= a
/mod_base= OTHER
/note= "OTHER= dTdT"
                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  99
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADL,70431 standard; RNA; 21 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                                                                                                                                         21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  48 ATGATGAAGACTCTGCTGC
                                                                                                                                                                                                                                                                                                                                                                     21-AUG-2003; 2003WO-CA001277.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gleave ME,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                                            WO2004018676-A2
                                                                                                                                                                                Key
modified_base
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                                                                                                                     Homo sapiens
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Jansen B, Gonos ES;

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Gaps

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ADL70431;

XEXEXEX

RESULT 176

ADL70431

Query Match

Matches

ð qq 83

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The invention relates to novel isolated polypeptides, mature form of the polypeptide, a sequence that is 95% identical to the polypeptide or the polypeptide comprising one or more conservative substitutions. The NOVX polypeptide is useful for treating or preventing a pathology associated with the polypeptide e.g. disorders associated with aberrant expression
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New isolated NOVX polypeptides and nucleic acid molecules useful for treating, preventing and diagnosing pathological conditions with NOVX-associated disorders, such as cancer, obesity, diabetes and inflammatory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Agee ML, Anderson DW, Berghs C, Casman SJ, Catterton E; Dipippo VA, Edinger SR, Eisen A, Ellerman K, Gangolli EA; Gerlach VL, Gorman L, Guo X, Herrmann JL, Hjalt T, Ji W, Kekuda F Khramtsov NV, Li L, Liu X, Malyankar UW, Miller CE, Millet I; Ort T, Padigaru M, Patturajan M, Pena CEA, Rastelli L, Rieger DK; Rothenberg ME, Shenoy SG, Shimkets RA, Smithson G, Spaderna SK; Spytek KA, Stone DJ, Vernet CAM, Zhong H, Zhong M, Alsobrook JP;
CNS disorder; inflammatory disorder; tissue typing; predictive medicine.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example B; SEQ ID NO 417; 772pp; English.
                                                                                                                                                                                                     200105-0296418P-
200108-0296473P-
200108-0295773P-
200108-0295773P-
200108-0299585P-
200108-0299585P-
200108-0299585P-
200108-0299589P-
200108-0299949P-
200108-039959P-
200108-039959P-
200108-030083P-
200108-030173P-
200108-030173P-
200108-030183P-
200108-030183P-
200108-0318477P-
200108-0318467P-
200108-0318467P-
200108-0318467P-
200208-0359122P-
200208-03591212P-
200208-0359121P-
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2002US-0371346P.
2002US-0379444P.
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                                                                                                                                   04-JUN-2002; 2002WO-US017443
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Burgess CE, Lepley DM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURA-) CURAGEN CORP.
               chromosome mapping;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2003-210149/20.
   endocrine disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CNS diseases.
                                                                          WO2003000842-A2
                                                                                                                                                                                                                                                                 12-JUN-2001;
14-JUN-2001;
15-JUN-2001;
19-JUN-2001;
21-JUN-2001;
21-JUN-2001;
22-JUN-2001;
                                                                                                                                                                                                                                                                                                                                                                      26-JUN-2001;
28-JUN-2001;
28-JUN-2001;
03-JUL-2001;
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14-SEP-2001;
25-SEP-2001;
03-DEC-2001;
14-DEC-2001;
                                                                                                                                                                                                                                      11-JUN-2001;
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or activity of the polypeptide, such as cancer, diabetes, obesity, and endocrine, CNS and inflammatory disorders. They can also be used in various detection and screening assays, chromosome mapping, tissue typing and predictive medicine. This sequence corresponds to a primer used to amplify and isolate the coding sequence for one of the polypeptides of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AMT41527-T41541 are exon-specific PCR primers used for the amplification of exons 2-8 of the human apolipoprotein-J (ApoJ) gene. The primers were used in a method for detecting polymorphisms associated with an allelic variation in the ApoJ gene. The oligonucleotide (OG) detects the probability of a person developing Alzheimer's disease (AD), preferably in patients of African or Hispanic descent. The OG also detects the probability of a person developing a cognitive disorder, or a prostatic carcinoma. Transgenic mammals expressing an allelic variant of an ApoJ gene may be used as a prognostic and diagnostic means for studying AD, and to determine the effectiveness of therapeutic drugs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          v oligo:nucleotide specific for apolipoprotein-J polymorphisms - used identify patients susceptible to Alzheimer's disease or prostate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Apolipoprotein J; ApoJ; polymorphism; detection; allele; exon; probe; primer; specific; Alzheimer's disease; polymerase chain reaction; PCR;
                                                                                                                                                                                            Gaps
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                                                                                                                                                        Score 18.8; DB 1; Length 22; Pred. No. 94;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human apolipoprotein-J gene exon 7-specific 3' PCR primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              / Match 1.1%; Score 18; DB 1; Length 18; Local Similarity 100.0%; Pred. No. 60; ne 18; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                            2; Indels
                                                                                                                         Sequence 22 BP; 1 A; 7 C; 3 G; 11 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 18 BP; 3 A; 4 C; 5 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                        ed. No. 94;
Mismatches
                                                                                                                                                                                                                              264 AACCTAGAAGAAGCCAAGAAGA 285
                                                                                                                                                                                                                                                 22 AAGCTAGAGGAAGCCAAGAAGA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 1; Page 20; 62pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1070 CAACGAGCTGCTAAAGTC 1087
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                                                                                                                                                                                                                                                                                                                                                      ВР
                                                                                                                                                           1.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     96WO-US004510
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                                                                                                                                                                                                                                                                                                                                                      AAT41539 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                              20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New oligo:nucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 1996-477152/47.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Tycko B;
                                                                                                                                                          Query Match
Best Local Similarity
                                                                                          the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               diagnosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                         24-JUN-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11-APR-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     02-APR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO9632502-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mayeux R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                         AAT41539;
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                                                                                                                                                                                              Matches
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The present sequence is a human chromosome 8p clustrin gene (CL1) specific PCR primer, which was used in the confirmation of the regional mapping of the human steroidogenesis acute regulatory protein (hStAR)
                                                                                                                                                                                                                                                                                                                                                                                                                                 Isolated human steroidogenesis acute regulatory protein gene - used for detection of mutation(s) of this gene that cause congenital lipoid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human, antisense inhibition, antisense oligonucleotide, clusterin, hypercholesterolaemia, cardiovascular disorder, ss, PCR, primer, hyperproliferative disorder, hyperlipidemic disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1.1%; Score 18; DB 1; Length 18;
100.0%; Pred. No. 60;
.ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 18 BP; 3 A; 5 C; 6 G; 4 T; 0 U; 0 Other;
regional mapping; confirmation; hStAR; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 7; Page 51; 89pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1475 GAGAGCTCTGCACGTCAC 1492
                                                                                                                                                                                                                                                                                                                                             Miller WL, Lin D, Strauss JF;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BP
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                                                                                                                                                                                  96WO-US003896
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                          (REGC ) UNIV CALIFORNIA.
(UYPE-) UNIV PENNSYLVANIA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Freier SM;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   adrenal hyperplasia.
                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1996-443130/44
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                                                                                                                                                                                                                                23-MAR-1995;
                                                                                                                                                                                  22-MAR-1996;
                                                                                          WO9629338-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16-AUG-2002
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                                                                                                                                       26-SEP-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Monia BP,
                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABN99657;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAT41527-T41541 are exon-specific PCR primers used for the amplification of exons 2-8 of the human apolipoprotein-J (Apol) gene. The primers were used in a method for detecting polymorphisms associated with an allelic variation in the Apol gene. The oligomucleotide (OG) detects the probability of a person developing Alzhaimer's disease (AD), preferably in patients of African or Hispanic descent. The OG also detects the probability of a person developing a cognitive disorder, or a prostatic carcinoma. Transgenic mammals expressing an allelic variant of an Apol gene may be used as a prognostic and diagnostic means for studying AD, and to determine the effectiveness of therapeutic drugs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     exon-specific PCR primers used for the amplification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                - nsed
                                                                                                                                                                                                                                                                                                     Apolipoprotein J; ApoJ; polymorphism; detection; allele; exon; probe; primer; specific; Alzheimer's disease; polymerase chain reaction; PCR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New oligo:nucleotide specific for apolipoprotein-J polymorphisms - uto identify patients susceptible to Alzheimer's disease or prostate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Chromosome 8p clustrin gene (CL1) specific primer (nt 2836-2854)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Chromosome 8p; polymerase chain reaction; PCR; primer; CL1; clustrin gene; human; steroidogeneis; acute regulatory protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                          Human apolipoprotein-J gene exon 2-specific 5' PCR primer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
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100.0%; Pred. No. 60;
Live 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 1; Page 20; 62pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            22 CGTGCAAAGACTCCAGAA 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BP.
                                                                                                                       BP
         CAACGAGCTGCTAAAGTC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       96WO-US004510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  95US-00420291
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                                                                                                                       AAT41527 standard; DNA; 18
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                                                                                                                                                                                                                 (first entry)
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Best Local Similarity 100.
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 1996-477152/47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Tycko B;
                                                                                                                                                                                                                                                                                                                                                  diagnosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       02-APR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                               WO9632502-A1
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                                                                                                                                                                                                                 24-JUN-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17-0CT-1996
                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mayeux R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAT39501;
         18
                                                                                                                                                                      AAT41527;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cancer.
                                                                              RESULT 179
                                                                                                                           ઠે
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Gaps

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against other antiapoptotic genes. The present sequence represents
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                                                                                                                                                                                                                                                                                                                                                                                                   Unidentified.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         21-AUG-2003.
                                                                                                                                                                                                                                                             ADM83080;
                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (RENN/)
(MIYA/)
(NELS/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (ZELL/)
                                                                                                                                                                                                        RESULT 18:
ADM83080/
82668
                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to a compound consisting of an oligonucleotide with a phosphorothicate backbone throughout, in which: (a) sugars on mucleotide residues 1.4 and 18-21 are 2'-0-methoxyethyl modified, and the realing nucleotides 5-17 are 2'-deoxy; and (b) the cytosines at positions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence (a Francisco) and togon-sensitive prostatic cancer cells to the androgen-sensitive prostatic cancer cells to the androgen-sensitive or vitro; (b) to treat prostatic cancer (after initially withdrawing androgens to induce apoptosis); and (c) to increase sensitivity of cancer cells (prostatic, renal, non-small cell) lung, urothelial transitional, ovarian and some breast cancer cells) that express abnormal levels of TRPM-2 to chemotherapy or radiation. The modifications present in (I) increase stability in vivo and activity (both in vivo or in vitro) and result in a syndrgistic increase in effect when (I) is used with chemotherapeutic agents or other antisense oligonucleotides directed
                                                                                                                                                                                                                                    ö
                                                   inhibiting expression of the human clusterin gene. The antisense objective investing the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligomucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders, and hyperlipidemic disorders). The present DNA sequence represents a PCR primer used to amplify the human clusterin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TRPM-2; testosterone-repressed prostate message-2; cytostatic; androgen; prostate cancer; anti-apoptotic protein; antisense; ss.
                                        capable of
                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                    ö
                                        invention comprises antisense oligonucleotides that are
                                                                                                                                                                                                       DB 1; Length 18; 60;
                                                                                                                                                                                                                                                                                                                                                                                                                                           DNA sequence of a TRPM-2 mismatch control oigonucleotide.
                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Monia BP
                                                                                                                                                                             Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Miyake H, Nelson C,
                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                       1.1%; Score 18;
100.0%; Pred. No.
              Example 13; Page 80; 125pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 13; Page 20; 44pp; English.
                                                                                                                                                                                                                                                             763
                                                                                                                                                                                                                                                                            TCCGTACGAGCCCCTGAA 18
                                                                                                                                                                                                                                                                                                                                                           ACF36409 standard; DNA; 21 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20-FEB-2003; 2003WO-US005305.
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                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                  Local Similarity 100.
Les 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gleave M, Rennie PS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO2003072591-A1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
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                                                                                                                                                                                                                                                             746
                                                                                                                                                                                                       Query Match
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                                                                                                                                                                                                                                                                                                                                 RESULT 182
                                                                                                                                                                                                                                  Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention provides a method for treating cancer in which cancer cells express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The present sequence is control testosterone-repressed prostate message-2 (TRPM-2) mismatch oligonucleotide. The oligonucleotide is used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity; radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; ss.
                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
mismatch control oigonucleotide, used in antisense assays of anti-apoptotic protein TRPM-2 (testosterone-repressed prostate message-2)
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                                                                                                                                                Score 17.8; DB 1; Length 21;
Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 21;
                                                                                                                                                                                                               2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Zellweger
                                                                                    Sequence 21 BP; 7 A; 4 C; 4 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Seguence 21 BP; 7 A; 4 C; 4 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 17.8; DB 1;
Pred. No. 1.1e+02;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Miyake H, Nelson C,
                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Control TRPM-2 mismatch oligonucleotide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; SEQ ID NO 15; 14pp; English
                                                                                                                                                                                                                                                                          48 ATGATGAAGACTCTGCTG 68
                                                                                                                                                                                                                                                                                                             21 ATGATAAATACTCTGCTGCTG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BP
                                                                                                                                          1.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        25-FEB-2000; 2000WO-US004875.
28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADM83080 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           03-JUN-2004 (first entry)
                                                                                                                                                                                                               Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 90.5
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gleave M, Rennie PS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2003-778017/73.
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                                                                                                                                                                                  Best Local Similarity
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(RENN/) RENNIE P S
(MIYA/) MIYAKE H.
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AMT41542 and AAT41543 are J1 allele-specific primer/probes used as controls in an example of a method for detecting polymorphisms associated with an allelic variation in the human apolipoprotein-J (ApoJ) gene. The oligonucleotide (OG) detects the probability of a person developing Albachmer's disease (Ab), preferably in patients of African or Hispanic descent. The OG also detects the probability of a person developing a cognitive disorder, or a prostatic carcinoma. Transgenic mammals and diagnostic means for studying Ab, and to determine the effectiveness of therapeutic drugs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip; antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease; schizophrenia; protein chip; gene therapy; tumour suppression; human fukutin; ds.
  Apolipoprotein J; ApoJ; polymorphism; detection; allele; exon; probe; primer; specific; Alzheimer's disease; polymerase chain reaction; PCR; diagnosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New oligo:nucleotide specific for apolipoprotein-J polymorphisms - 1
to identify patients susceptible to Alzheimer's disease or prostate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Tumour suppression related human fukutin oligo SEQ ID No 253.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1.0%; Score 17; DB 1; Length 17;
100.0%; Pred. No. 68;
ative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 1; Page 21; 62pp; English.
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                                                                                                                                                                                                                                                                                                                                     (UYCO ) UNIV COLUMBIA NEW YORK.
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                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1996-477152/47.
                                                                                                                                                                                                                                                                                                                                                                                      Mayeux R, Tycko B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO2003025175-A2
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                                                                                                Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cancer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AMT41526 is a primer/probe used to detect a J3 allelic variation in the human apolipoprotein-J (ApoJ) gene. The primer/probe is used for detecting polymorphisms associated with an allelic variation in the ApoJ gene. The oligonucleotide (OG) detects the probability of a person developing Alzhaimer's disease (AD), preferably in patients of African or Hispanic descent. The OG also detects the probability of a person developing a cognitive disorder, or a prostatic carcinoma. Transgenic mammals expressing an allelic variant of an ApoJ gene may be used as a prognostic and diagnostic means for studying AD, and to determine the effectiveness of therapeutic drugs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New oligo:nucleotide specific for apolipoprotein-J polymorphisms - used to identify patients susceptible to Alzheimer's disease or prostate
                                                                                                                                                                                                                                                                                                                                                      Apolipoprotein J; ApoJ; polymorphism; detection; allele; exon; probe;
primer; specific; Alzheimer's disease; polymerase chain reaction; PCR;
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                                                                                                                                                                                                                                                                                                         Human apolipoprotein-J gene J3-allelic variant primer/probe.
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68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 29; Page 41; 62pp; English.
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ATGATGAAGACTCTGCTGCTG
                                            Arcaraktacrcrecrecre
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                                                                                                                                                                                                                                                             (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Tycko B;
                                                                                                                                                                                                                                                                                                                                                                               primer; specif
diagnosis; ss.
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                                  21
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48
                                                                                                                                                                                                             AAT41526
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Matches
                                                                                                               RESULT 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 185
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ID AAT4
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Telerman A, Amson R,
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                                                                                                                                                                          The invention relates to a novel isolated 17 mer nucleic acid sequence, given in the specification, a sequence containing at least 15 consecutive nucleotides from the 17 mer sequence, a sequence with, after optimal alignment, at least 80 % identity to the 17 mer sequence with, after optimal alignment, at least 80 % identity to the 17 mer sequence that hybridizes to them under highly stringent conditions, or the complement of acids of the invention are useful as probes and primers for detecting, acids of the invention are useful as probes and nucleic acid, e.g. as one component of a gene chip, in vitro as (anti)sense reagents, and for production of recombinant polypeptides. May of the nucleic acids, colypeptides, vectors containing the nucleic acids, cells containing the polypeptides, rector or antibodies directed against the polypeptides are useful for preparation of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell degeneration, specifically cancer but also Alfaheimer's disease and schizophrenia. Analysis of the expression of the 17 mer nucleic acids in patient samples is useful for disquences to generate antibodies, and both the polypeptide and antibodies are useful as components of protein chips. This polypeptides can also be used to generate antibodies, and chipse This nucleic acid sequences of the invention can be used in gene therapy. This polypuclection of the invention can be used in gene theraph human finite of the polypeptide acid sequence to the invention can be used in gene theraph human finite of the polypeptide acid sequence theraph.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 primer; probe; tumour suppression; tumour reversion; apoptosis; virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
                                                                                       New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 1.0%; Score 17; DB 1; Length 17; Best Local Similarity 100.0%; Pred. No. 68; Matches 17; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Tumour suppression/reversion associated nucleotide #6031.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              fukutin oligonucleotide of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 17 BP; 5 A; 6 C; 2 G; 4 T; 0 U; 0 Other;
                                                                                                                                                    Disclosure; Page 63; 720pp; French.
                              Tuijnder M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1551 GATCCTGCACTCTAACA 1567
(MOLE-) MOLECULAR ENGINES LAB.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 GATCCTGCACTCTAACA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADB45708 standard; DNA; 17 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                     and transfected cells.
                              Amson R,
                                                          WPI; 2003-313353/30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO2003040369-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            related human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18-DEC-2003
                              relerman A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADB45708;
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 XBXBXBX8XXXXXXXBX1XXXX
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The invention relates to the isolation of 6327 nucleotide sequences, fragments of at least 15 consecutive nucleotides of these nucleotides, a sequence having at least 80% identity, after optimal alignment, with the nucleotides, or the complement, or corresponding RNA, of the concleotides, or the complement, or corresponding RNA, of the nucleotides or the nucleotides are used as probes or primers for detecting, dentifying, quantifying and/or amplifying nucleic acids, as in vitro sense and antisense sequences, of nucleotides involved in tumour correspondinant polypeptics, and to prepare transgenic animals, as experimental models. The nucleotides (also vectors containing them and calls containing the vectors), the encoded polypeptides and antibodies of (Ab) against the polypeptide are useful for prevention and/or treatment of viral infections or diseases characterized by development of tumours or call degeneration (e.g. Alzheimer's disease or schizophrenia).

Chalysis of the expression of the nucleotides can be used for diagnosis and/or prognosis of these diseases. The nucleotides and polypeptides can also be used to screen for treating diseases associated with abnormal
                                                                                                               New nucleic acid encoding human prostate membrane-specific antigen, useful e.g. for treatment of tumors and viral infection, also related polypeptide and antibodies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1.0%; Score 17; DB 1; Length 17; 00.0%; Pred. No. 68;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 17 BP; 5 A; 6 C; 2 G; 4 T; 0 U; 0 Other;
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(KAGA ) CHEMO SERO THERAPEUTIC RES INST.
(ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                             Disclosure, Page 737; 771pp; French
Tuijnder M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1551 GATCCTGCACTCTAACA 1567
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              expression of the nucleotides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     뮵.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (revised)
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.
Matches 17; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO9405813-A1
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14-APR-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  04-OCT-1994
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAQ58405;
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(first entry)
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Matches 16; Conservative
                                                                                          Query Match
Best Local Similarity 90.0°
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Stuyver L,
                                                                                                                                                                                                                                                                                (revised)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 1994-200296/24.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   26-NOV-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                    WO9412670-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27-NOV-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       31-AUG-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Maertens G,
                                                                                                                                                                                                                                                                               25-MAR-2003
19-DEC-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                            09-JUN-1994.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Process for hybridising
                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                         AAQ68062;
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AAX14650
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                                                                                                                                                                                                                      AAQ68062,
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                                                                                                        Antisense oligonucleotides were synthesised which are complementary to target sequences located at 10-nucleotide intervals from nucleotide 1 to 239 in the HCV RNA 5'-untranslated region. Of these sequences (CAS-1 to CAS-320), oligonucleotide CAS-110 (AAQ58403), which is complementary to a portion of loop C, was found to cause greater than 80% inhibition of core protein translation. The nucleotide at position 119 in loop C has a high variation rate among HCV strains so oligonucleotide CAS-110-1-119 was synthesised in which inosine replaced the T (corresp. to A at position 119) in CAS-110. The CAS-110-1-119 showed an inhibitory activity of more activity. See AAQ584389-Q58422, AAQ44885-Q44892 and AAQ58383. (Updated on 25-MAR-2003 to correct PN field.)
                                                                                                                                                                                                                                                                                                                       ö
                                              Anti:sense oligo:nucleotide(s) complementary to hepatitis C viral genome - useful for inhibiting HCV replication, to treat related diseases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ss; expression vector; western equine encephalitis; WEE; anti-encephalitis; virus; encephalitis;
                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              western equine encephalitis (WEE) virus strain used to develop DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Western equine encephalomyelitis virus 26S region PCR primer WEEP2
                                                                                                                                                                                                                                                                                                                       ;
                                                                                                                                                                                                                                                                                           Score 16.8; DB 1; Length 20;
Pred. No. 1.3e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                       Sequence 20 BP; 2 A; 3 C; 14 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            vaccines to WEE virus and related alphaviruses.
  Furukawa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Western equine encephalomyelitis virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Page 28; 52pp; English.
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                                                                                      Example 7; Page 24; 91pp; English.
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  Eto T,
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                                                                                                                                                                                                                                                                                              1.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21-DEC-2000; 2000CA-02327189
                                                                                                                                                                                                                                                                                                                                                                                                                                  ADN02449 standard; DNA; 20
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                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 90.0°
Matches 18; Conservative
  Hamada F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Nagata LP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2002-600289/65
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   Nakatake H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PCR; primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21-JUN-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADN02449;
                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 189
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               genotyping Hepatitis C virus (HCV) isolates - utilises probes to HCV isolate domains.
is important for protection against an aerosol challenge of WEE used in biological warfare. The prophylactic method of the invention is used for hiducing a protective immune response to eastern equine encephalitis virus and Venezuelan equine encephalitis virus in a mammal. The present sequence represents a WEE virus 26S region PCR primer.
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                                                                                                                                                                                                                 1.0%; Score 16.8; DB 1; Length 20;
90.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Hepatitis C virus; HCV; probe; genotyping; hybridisation; non-A, non-B hepatitis; NANBH; amplification; primer; polymerase chain reaction; PCR; line probe assay; LiPA; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 16;
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                                                                                                                                                               Sequence 20 BP; 2 A; 7 C; 6 G; 5 T; 0 U; 0 Other;
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100.0%; Pred. No. 75;
iive 0; Mismatches (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Antisense probe 155 for HCV LiPA typing.
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                                                                                                                                                                                                                                                                                                                                 524 CGACTCCCTGCTGGAGACG 543
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                                                                                                                                                                                                                                                                                                                                                                                 CGACACGCTGCTGGAGAACG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 93WO-EP003325.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     92EP-00403222.
93EP-00402129.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAQ68062 standard; DNA; 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (INNO-) INNOGENETICS NV SA.
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The invention comprises a method for generating an oligonucleotide involving: determining from a secondary structure of RNA from an exon, a cegion that assumes a structure that is hybridised to another part of the RNA (closed structure) and a region that is not hybridised in the structure (open structure); and subsequently generating an cilcondisciple, where at least one part of the oligonucleotide is complementary to the closed structure and at least one part of the coligonucleotide is complementary to the open structure. The gene from which the RNA comprising the exon is transcribed, may be selected from: an aberrant Duchenne muscular dystrophy gene (MPMI), a dysferlin gene (CDGA1), a myotubular myopathy 1 gene (MPMI), a dysferlin gene (CDGA1), and/or a calpain 3 gene (CAPN3). The coligonucleotides produced by the method of the invention are useful for: coligonucleotides produced by the method of the invention are useful for: coligonucleotides produced by the method of the invention are useful for: coligonucleotides produced by the method of the invention are useful for: coligonucleotides produced by the method of the invention are useful for: coligonucleotides produced by the method of the invention are useful for: coligonucleotides produced by the method of the invention are useful for: coligonucleotides produced by the method of the invention are useful for: the efficiency with which a splice donor or splice acceptor sequence is used by a splicing machinery. The present RNA sequence represents an antisense oligonucleotide that is targeted to the DMD gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    determining from a structure of RNA from an exon, a region that assumes \epsilon structure hybridized to another part of the RNA and a region that is not
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DMD; Duchenne muscular dystrophy; collagen VI alpha 1; COL6A1; myotubular myopathy 1; MTM1; dysferlin; DYSF; laminin-alpha 2; LAMA2; emery-dreyfuss muscular dystrophy; EMD; calpain 3; CAPN3; antisense; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Generating an oligonucleotide for treating diseases, comprises
                                                                                                  /mod_base= OTHER
/note= "OTHER = Phosphorothioate backbone"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DMD gene specific antisense oligonucleotide h41AON1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 19 BP; 0 A; 8 C; 1 G; 0 T; 10 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Den Dunnen JT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.0%; Score 16; DB 1; Lt
100.0%; Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                           Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 2; Page 48; 71pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1.0°,
100.0%; Pre-
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Van Deutekom JCT,
                                                                                                                                                                                                                                                                                                                                                                                               (ZIEK-) ACAD ZIEKENHUIS LEIDEN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BP.
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                                                                                                                                                                                                                                                                                                                                           21-MAR-2003; 2003WO-NL000214.
                                                                                                                                                                                                                                                                                       21-MAR-2003; 2003WO-NL000214.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        hybridized in the structure.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      17 AGAAGAAGAAGAGGA 2
                                                         l. .19
/*tag= a
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity 100.
Les 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-691055/67.
                                                                                                                                                                                  WO2004083432-A1
                              Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Van Ommen GB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16-DEC-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADS73873
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADS73873/c
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Matches
     δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2×4×4×4×4×
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present sequence represents a potential triple-helix forming region. It can be used to demonstrate the assay of the invention. The assay comprises adding a sample containing double-erranded DNA test sequences, e.g. containing the present sequence, to an aqueous medium containing at least one complex of anchor DNA, attached to a solid support, and reporter DNA, where either a part of the anchor DNA or reporter DNA designed to form a triple-strand errorture with part of the test sequence. Triplex formation results in displacement of the reporter DNA which is detected as an indication of the presence of the DNA test sequence. The method is used to detect DNA sequences, particularly for identification of bacteria (Dy detecting genes for ribosomal RNA) in clinical samples, but also detection of oncogenes and Hepatitis B virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Duchenne muscular dystrophy gene-specific antisense oligonucleotide #7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            antisense oligonucleotide; Duchenne muscular dystrophy gene; DMD gene; pre-mRNA recognition alteration; inherited disease; pre-mRNA exon skipping induction; splicing machinery efficiency; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Assay of genetic sequences based on triplex formation from double stranded analyte - and hybrid of anchor and reporter sequences, with reporter released if triplex formation occurs, used e.g. to identify
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gape
                                                                                                                                                      Triple helix forming nucleotides 5967-5983 of the dystrophin gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                          Triple-helix forming region; Triplex formation; DNA dètection; identification; bacteria; oncogene; virus; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.0%; Score 16; DB 1; Length 17;
100.0%; Pred. No. 94;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 17 BP; 10 A; 0 C; 7 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; Col 15-16; 168pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (PROF-) PROFILE DIAGNOSTIC SCI INC.
AAX14650 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                              93US-00173489
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     92US-00968436
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                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         16-DEC-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Wang C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1999-130384/11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
Matches 16; Conserv
                                                                                                                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                 22-DEC-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     29-OCT-1992;
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                                                                                                     24-MAR-1999
                                                                                                                                                                                                                                                                                                                                           US5861244-A
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bacteria.

аввишев а

Aartsma-Rus A;

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Gape

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ADS00161;

SXXXXXXXXXXXXX

RESULT 192 ADS00161/c

Query Match

δ 셤

Length 19; 0; Indels

Synthetic

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/mod_base= OTHER
/note= "OTHER= Phosphorothioate backbone. All cytidines
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New antisense oligonucleotide, having a sequence targeted to a nucleic acid encoding PCTAIRE protein kinase 2, useful for preparing a composition for treating neurological disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /*tag= c
/mod_base= OTHER
/note= "OTHER= 2'-0-Methoxyethyl (2'-MOE) nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                       /mod_base= OTHER
/note= "OTHER= 2'-0-Methoxyethyl (2'-MOE) nucleotides'
                                                                                                            gene therapy; antisense technology; PCTAIRE protein kinase 2; neurological disorder; human; PCTAIRE protein kinase 2; ss.
                                                          Human PCTAIRE protein kinase 2 antisense oligonucleotide #71.
                                                                                                                                                                                                                                                                                                                                                        are 5-methylcytidines"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 1; SEQ ID NO 84; 58pp; English.
                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1583 CATGGGAAGAACAGAA 1598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            31-MAY-2002; 2002US-00160787.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               31-MAY-2002; 2002US-00160787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADI19270 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CATGGGAAGAACAGAA
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/*tag= a
                    22-APR-2004 (first entry)
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hes 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15. .20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                               . 20
                                                                                                                                                                                                                                                                                      /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2004-022085/02.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US2003225256-A1
                                                                                                                                                                                                                                           Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                      modified base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 modified_base
                                                                                                                                                                                           Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      04-DEC-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Watt AT;
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Matches
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BXZXXEXB
ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to generating an oligonuclectide and involves determining from a secondary structure of RNA from an exon, a region that casumes a structure that is hybridised to another part of the RNA (closed structures) and a region that is not hybridize in the structure (open structure and at least another part of the closed structures are adjacently to the closed structure and at least another part of the oligonuclectide; where at complementary to the open actructures are adjacent to each other. The closed structures are adjacent to each other. The oligonuclectide is complementary to a consecutive part of 14-50 andlectication, preferably a 2'-0-methyl modified ribose (RNA) or contains a modification. The pre-mRNA comprising the exon from mRNA produced from the pre-mRNA generates a coding region for a protein. The computed from the pre-mRNA generates a coding region for a protein. The gene from which the RNA comprising the exon is transcribed encodes an aberrant Duchenne muscular dystrophy gene (DMA), a dysferlin gene (CDGA1), a myotubular myopathy 1 gene (MTM1), a dysferlin gene (DYSF), a laminin-alpha 2 gene (LAMA2), an emery-dreyfuss muscular compound is useful for at least in part altering recognition of the exon or exons in a pre-mRNA; for the preparation of a medicament, or the compound is useful for at least in part altering recognition of the exon or exons in a pre-mRNA; for the preparation of a medicament of a uniherited disease; for inducing exon skipping in a pre-mRNA; for altering exon-recognition in a pre-mRNA; for altering exon-recognition in a pre-mRNA; for altering the pre-mRNA; for altering the product or privalence is used the preparation of a medicament eleant of a privalence or privalence acceptor sequence is used the product or exons in a pre-mRNA; for altering exon-recognition in a pre-mRNA; for altering exon-recognition in a pre-mRNA; for altering exon-recognition or appre-mRNA; for altering exon-recognition or appre-mRNA; for altering recognition or a pre-mRNA; for altering reco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                    Generating an oligonucleotide for treating diseases, comprises determining from a structure of RNA from an exon, a region that assumes a structure hybridized to another part of the RNA and a region that is not
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      by a splicing machinery; for inducing exon-skipping of two, three, or more exons in a pre-mRNA; or for inducing skipping of the at least two exons and a sequence located between the at least two exons (intervening sequence) on the pre-mRNA, where intervening sequence further comprises exon or exons. Sequences ADS13865-ADS13903 represent antisense oligonucleotides (AONs) used to study targeted skipping of 15 different
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                              Aartsma-Rus A;
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100.0%; Pred. No. 1.4e+02;
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                                                                                                                                                                                                                                                                                           Den Dunnen JT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 19 BP; 0 A; 8 C; 1 G; 0 T; 10 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 1; Page 88; 117pp; English.
                                                                                                                                                                                                                                                                                              Van Ommeren GB, Van Deutekom JCT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.00,0%; Pre-
                                                                                                                                                                                                                                                (ZIEK-) ACAD ZIEKENHUIS LEIDEN.
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                                                                                                                                                                                                  21-MAR-2003; 2003WO-NL000214.
                                                                                                                                                     22-MAR-2004; 2004WO-NL000196
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  hybridized in the structure.
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                                                                                                                                                                                                                                                                                                                                                WPI; 2004-691060/67.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
Matches 16; Conserv
                                                          WO2004083446-A2.
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The invention describes a new antisense oligonucleotide, having a sequence comprising 8-80 bp targeted to a nucleic acid encoding PCTAIRE protein kinase 2, that specifically hybridises with the nucleic acid encoding PCTAIRE protein kinase 2 and having a sequence comprising 20 bp. The antisense oligonucleotide is useful for preparing a composition for treating e.g., neurological disorders. This sequence represents a human PCTAIRE protein kinase 2 antisense oligonucleotide.
                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                          .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human PCTAIRE protein kinase 2 antisense oligonucleotide #124.
                                                                                                                                                                                                                                                                                                                                                                   1.0%; Score 16; DB 1; Length 20; 00.0%; Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                            Sequence 20 BP; 1 A; 8 C; 2 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
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ADI19217 standard; DNA; 20 BP

RESULT 194 ADI19217, e x x

ADI19217

Query Match

ò 용 Oegema K;

Jones S,

Coulson A,

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New Caenorhabditis elegans genes required for viability, growth or reproduction of nematodes, useful for diagnosing or treating e.g. onchocercoma or elephantiasis in humans or animals, or plant diseases
                                                                                                                                                                             Goenczy P, Hyman A,
                                                                                                                                                                                                                                                                                              Example 2; Page 28; 35pp; English.
                                                                                                                                                      (CENI-) CENIX BIOSCIENCE GMBH
                                                                                                       09-NOV-2001; 2001WO-EP013038
                                                                                                                              09-NOV-2000; 2000US-0246721P.
                                                                                                                                                                                                                                                                        caused by e.g. Heterodera.
                       Caenorhabditis elegans.
                                                                                                                                                                                                              WPI; 2002-471547/50.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gene therapy; ds.
                                                         WO200238600-A2
                                                                                                                                                                          Echeverri C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-JAN-2004
                                                                                 16-MAY-2002.
   primer; 88.
                                     Synthetic.
                                                                                                                                                                                         Kirkham M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADD00110;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Loca
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 197
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention describes a new antisense oligonucleotide, having a sequence comprising 8-80 bp targeted to a nucleic acid encoding PCTAIRE protein kinase 2, that specifically hybridises with the nucleic acid encoding PCTAIRE protein kinase 2 and having a sequence comprising 20 bp. The antisense oligonucleotide is useful for preparing a composition for treating e.g., neurological disorders. This sequence represents a human PCTAIRE protein kinase 2 antisense oligonucleotide.
                                                                                                       /mod_base= OTHER
/note= "OTHER= Phosphorothioate backbone. All cytidines
                                                                                                                                                                                                                                                                                                                                                                                                                 New antisense oligonucleotide, having a sequence targeted to a nucleic acid encoding PCTAIRE protein kinase 2, useful for preparing a composition for treating neurological disorders.
                                                                                                                                                               /mod_base= OTHER
/note= "OTHER= 2'-0-Methoxyethyl (2'-MOE) nucleotides"
                                                                                                                                                                                                                           'note= "OTHER= 2'-0-Methoxyethyl (2'-MOE) nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Caenorhabditis elegans; C. elegans; reproduction; development; antinematode; nematocide; plant protectant; gene therapy; infection; calabar swelling; lymphatic filariasis; elephantiasis; onchocercoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ..
0
             gene therapy, antisense technology, PCTAIRE protein kinase 2; neurological disorder; human, PCTAIRE protein kinase 2; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1.0%; Score 16; DB 1; Length 20; 100.0%; Pred. No. 1.6e+02; ative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Caenorhabditis elegans related dsRNA2 upstream primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 20 BP; 9 A; 2 C; 8 G; i T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 15; SEQ ID NO 137; 58pp; English.
                                                                                                                                 are 5-methylcytidines"
                                                                      Location/Qualifiers
                                                                                                                                                                                                     /*tag= c
/mod base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1583 CATGGGAAGAACAGAA 1598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABN88070 standard; DNA; 19 BP
                                                                                                                                                                                                                                                                                                 31-MAY-2002; 2002US-00160787.
                                                                                                                                                                                                                                                                                                                      31-MAY-2002; 2002US-00160787
                                                                                                                                           1. .5
/*tag= a
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                                                                                                                                                                                       15. .20
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                                                                                  1. .20
/*tag=
                                                                                                                                                                                                                                                                                                                                               (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2004-022085/02.
                                                                                                                                                                                                                                                  US2003225256-A1
                                                                        Key
modified_base
                                                                                                                                                                                        modified_base
                                                                                                                                            modified base
                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12-AUG-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABN88070;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
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Matches
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which encodes a polypeptide (II) required for the viability and/or prowth and/or reproduction of nematodes (Caenorhabditis elegans), or its and/or reproduction of nematodes (Caenorhabditis elegans), or its and/or reproduction of nematodes (Caenorhabditis elegans), or its and can be used in gene therapy. (I) is useful for producing (II) required for the viability, growth and/or reproduction of nematodes.

CC required for the viability, growth and/or reproduction of nematodes.

Nucleic acids, probes, polypeptides, fusion proteins and antibodies from the present invention are also useful in a screening assay for interacting drugs that inhibit, situmlate or affect worm growth, viability or reproduction. They are useful for diagnosing or treating commanded worms, e.g. Wucheria bacroffit, Brugia malayi, Loa loa or onenatode worms, e.g. Wucheria bacroffit, Brugia malayi, Loa loa or onenatode worms, e.g. Wucheria bacroffit, Brugia malayi, Loa loa or onchocerca volvulus. These diseases include calabar swellings, lymphatic concludes, fusion proteins and antibodies are also useful for diagnosing or treating plant diseases associated with the infection or presence of nematode worms. Furthermore, the nucleic acid and amino acid sequences are useful for developing computational models, structural models or other models for evaluating drug binding and efficacy. The concept is present sequence represents a primer which is used in an example from the
The present invention describes an isolated nucleic acid molecule (I),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.0%; Score 15.8; DB 1; Length 19; 99.5%; Pred. No. 1.5e+02; ve 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HCV coding region-derived 60% conserved RNA sequence 56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 19 BP; 6 A; 3 C; 7 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0, Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 present invention in RNAi experiments
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      551 GCAGACGCACATGCTGGAT 569
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 GCAGAAGCAGATGCTGGAT 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
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10828394-1 1-1643.rng.sl

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short interfering nucleic acid; siNA; virus replication inhibition; hepatitis C virus; HCV; sugar modification; virucide; antiinflammatory; hepatotropic; cytostatic; RNA interference; HCV infection; liver failure; hepatocellular cancer; cirrhosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New double-stranded short interfering nucleic acid comprises sugarmodified pyrimidine bases useful for treating infection with hepatitis C
                                                                                                                                                                         The invention relates to a novel isolated double stranded RNA oligonucleotide about 19 to about 25 ribonucleotides in length or its equivalent. One strand of the oligonucleotide comprises the same nucleotide sequence as a region of a hepatitis C virus (HCV) target RNA polynucleotide sequence required for hepatitis C virus infection, replication or pathogenesis in vitro or in vivo in a host cell. The oligonucleotide of the invention demonstrates virucide activity and may be useful for preparing a composition or vaccine for treating or preventing hepatitis C virus, as well as during gene therapy procedures. The current sequence is that of the HCV coding region-derived conserved
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hepatitis C virus short interfering nucleic acid sense strand SeqID305.
                                                                              New double stranded RNA oligonucleotide, useful for preparing composition for treating or preventing hepatitis C virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.0%; Score 15.8; DB 1; Length 19; 84.2%; Pred. No. 1.5e+02; ative 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ä
                                                                                                                                                                                                                                                                                                                                                                                                                     Seguence 19 BP; 11 A; 5 C; 2 G; 0 T; 1 U; 0 Other;
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  Yang Y;
  Lu J, Glass JI, Martinez A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Macejak D,
                                                                                                                                        Disclosure; Page 61; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         222 CTCATAGAAAAAACAAACG 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CUCAAAGAAAACCAAACG 19
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                                                                                                                                                                                                                                                                                                                                                                                  RNA sequence of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BP.
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2002US-0363124P.
2002WO-US009187.
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2002US-0406784P.
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2002US-0409293P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ľ,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16; Conservative
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                                         WPI; 2003-268345/26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sest Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO2003070750-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20-FEB-2003;
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29-AUG-2002;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11-MAR-2002;
26-MAR-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       05-SEP-2002;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
  Zhao G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention relates to a novel isolated double stranded RNA oligonucleotide about 19 to about 25 ribonucleotides in length or its equivalent. One strand of the oligonucleotide comprises the same nucleotide sequence as a region of a hepatitis C virus (HCV) target RNA polynucleotide sequence required for hepatitis C virus infection, replication or pathogenesis in vitro or in vivo in a host cell. The oligonucleotide of the invention demonstrates virucide activity and may be useful for preparing a composition or vaccine for treating or preventing hepatitis C virus, as well as during gene therapy procedures. The current sequence is that of the HCV coding region-derived conserved
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                               for preparing a
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        replication; pathogenesis; virucide; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     icn 1.0%; Score 15.8; DB 1; Length 19; il Similarity 84.2%; Pred. No. 1.5e+02; 16; Conservative 1; Migmatches
                                                                                                                                                                                                                                                                                                                                                                                composition for treating or preventing hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HCV coding region-derived 50% conserved RNA sequence 205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 19 BP; 11 A; 5 C; 2 G; 0 T; 1 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                             New double stranded RNA oligonucleotide, useful
                                                                                                                                                                                                                                                                                 Yang Y;
                                                                                                                                                                                                                                                                               Zhao G, Lu J, Glass JI, Martinez A,
                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure, Page 48; 173pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RNA sequence of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BP
                                                                                                                                                           17-AUG-2001; 2001US-0313076P.
20-DEC-2001; 2001US-0344116P.
01-FEB-2002; 2002US-0353750P.
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20-DEC-2001; 2001US-0344116P.
01-FEB-2002; 2002US-0353750P.
                                                                                                                     16-AUG-2002; 2002WO-US021843
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        16-AUG-2002; 2002WO-US021843
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                     (ELIL ) LILLY & CO ELI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (BLIL ) LILLY & CO ELI
                                                                                                                                                                                                                                                                                                                    WPI; 2003-268345/26
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Hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hepatitis C virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gene therapy; ds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO2003016572-A1.
                                         WO2003016572-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HCV infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27-FEB-2003.
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                                                                                27-FEB-2003
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Gaps

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RESULT 20
ADL70462
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                                                                               This invention relates to novel double-stranded short interfering nucleic acids (sink) that inhibits replication of hepatitis C virus (HCV), where cone strand is an antisense strand (ASS) that is complementary to (part of) an HCV RNA (portion) and a sense strand (SS) that is complementary to (part of) an HCV RNA (portion) and a sense strand (SS) that is complementary to ASS, and where most of the pyramidine nucleotides comprise a sugar modification. The invention may allow development of compounds with virucide, antiinflammatory, hepatocropic or cytostatic activities by modification (inhibition) of expression or activity of HCV RNA, by RNA interference. The sink's of the invention may be used to inhibit replication of HCV, in cells, tissue explants or organisms, for treating HCV infection and its consequences (liver failure; hepatocellular cancer and cirrhosis), and also for drug screening, diagnosis, target identification and validation, genetic engineering, pharmacogenomics, studying gene function and gene mapping (for example of single-nucleotide polymorphisms). The chemical modification improves stability, activity, cellular upcake and/or binding affinity. The sink as be directed to conserved regions of HCV genes, so are active against many different
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    short interfering nucleic acid; siNA; virus replication inhibition; hepacitis C virus; HCV; sugar modification; virucide; antiinflammatory; hepatotropic; cytostatic; RNA interference; HCV infection; liver failure; hepatocellular cancer; cirrhosis; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       / Match 1.0%; Score 15.8; DB 1; Length 19; Local Similarity 84.2%; Pred. No. 1.5e+02; les 16; Conservative 1; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 19 BP; 11 A; 5 C; 2 G; 0 T; 1 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hepatitis C virus sinA antisense strand SeqID1001.
                                           Example 3; SEQ ID NO 305; 183pp; English.
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2002WO-US009187.
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2002US-0401104P.
2002US-0406784P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hepatitis C virus.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                06-JUN-2002;
05-AUG-2002;
29-AUG-2002;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20-FEB-2002;
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26-MAR-2002;
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  virus.
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This invention relates to novel double-stranded short interfering nucleic acids (sinA) that inhibits replication of hepatitis C virus (HCV), where one strand is an antisense strand (ASS) that is complementary to (part of an HCV RNA (portion) and sense strand (SS) that is complementary to (part ASS, and where most of the pyrimidine nucleotides comprise a sugar modification. The invention may allow development of compounds with virucide, antiinflammatory, hepatortopic or cytostatic activities by modulation (inhibition) of expression or activity of HCV RNA, by RNA creation (inhibition) of expression or activity of HCV RNA, by RNA creation (inhibition) of expression or activity of HCV RNA, by RNA creation (inhibition) of expression or activity of HCV RNA, by RNA creation and its consequences (liver failure; hepatocellular cancer and cirrhosis), and also for drug screening, diagnosis, target cancer interfered and solf of drug screening, diagnosis, target cancer and cirrhosis). The chemical modification improves stability, activity, activity, activity, activity, activity, activity and conserved regions of HCV genes, so are active against many different
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ô
New double-stranded short interfering nucleic acid comprises sugarmodified pyrimidine bases useful for treating infection with hepatitis C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
                                                                                                                                      Example 3; SEQ ID NO 1001; 183pp; English.
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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Matches 17; Conservative
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Synthetic.
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Gonos ES;
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WPI; 2004-226852/21.
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modified_base
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Matches
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                                                                                                                  (GIRNA) targeted to human clusterin. The antisense strand is also provided ADL70463. The SIRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TREM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. BiRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducting treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease.
                               New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                           present sequence is the sense strand of a short interfering RNA
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/note= "OTHER= dTdT"
                                                                                      Claim 4; SEQ ID NO 7; 63pp; English.
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1 UAAUUCAACAAAACUGUTT 19
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/*tag= ;
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           WPI; 2004-226852/21.
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Gonos ES;
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New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1.0%; Score 15.8; DB 1; Length 19; 89.5%; Pred. No. 1.5e+02; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 19 BP; 5 A; 1 C; 3 G; 2 T; 8 U; 0 Other;
                                                                                                                                                                                      Claim 4; SEQ ID NO 8; 63pp; English.
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/note= "OTHER= TT
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(GLEA/) GLEAVE M E.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AATAATTCAACAAAACTGT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADL70429/c
ID ADL70429 standard; RNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity 89.5
Les 17; Conservative
                                                                                                                    disease or cancer.
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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADD:70409. The invention relates to the treatment of melanama through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADI:70404-ADI:70410 or short interfering RNA (siRNA) ADI:7042-ADI:70445 rargeted to clusterin. The siRNBs molecules direct cleavage of clusterin mENA. A method for regulating expression of bol-xi in a subject or cell line comprises administering an agent effective to modulate the amount of ulusterin expression. In clusterin-expressing cells, expression of bol-xi is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xi is known to act as an inhibitor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human, clusterin, RNAi, melanoma, cytostatic, gene silencing, short interfering RNA, siRNA, DNA-RNA hybrid, ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 19 BP; 8 A; 3 C; 1 G; 2 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 15.8; DB 1;
Pred. No. 1.5e+02;
5; Mismatches 2;
                                             Claim 10; SEQ ID NO 24; 32pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 20; SEQ ID NO 26; 32pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
18. .19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1616 TAATTCAATAAAACTGTCT 1634
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note= "OTHER= TT
clusterin in the melanoma cells.
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UAAUUCAACAAAACUGUTT 19
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(GLEA/) GLEAVE M E.
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03-SEP-2002; 2002US-0408152P.
02-BEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 63.2
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RNAi for human clusterin.
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modified_base
                                                                                                                                                                                                                                                                                                                                                              of apoptosis.
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Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 205
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  #X%X0000000000000X8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                           The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADI/0403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADI/0404-ADI/0411 or short interfering RNA (siRNA) ADI/0402-ADI/0405 margeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bcl.*L in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing of bcl.*L in subject or cell is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl.*L is known to act as an inhibitor
                         Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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RNA; siRNA; DNA-RNA hybrid; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 1.0%; Score 15.8; DB 1; Length 19; Best Local Similarity 89.5%; Pred. No. 1.5e+02; Matches 17; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 19 BP; 5 A; 1 C; 3 G; 2 T; 8 U; 0 Other
                                                                                                                   Claim 20; SEQ ID NO 27; 32pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /*tag= a
/mod_base= OTHER
/note= "OTHER= TT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1614 ACTAATTCAATAAAACTGT 1632
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             19 AATAATTCAACAAAACTGT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; 2002US-0405193P.
; 2002US-0408152P.
; 2002US-0319748P.
; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (UYBR-) UNIV BRITISH COLUMBIA.
(GLBA/) GLEAVE M E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADL70426 standard; RNA; 19 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21-AUG-2003; 2003WO-CA001276
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RNAi for human clusterin.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; clusterin;
short interfering
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO2004018675-A1
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modified_base
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Gaps

10828394-1 1-1643.rng.sl

96

Page

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Gaps

. 0

1; Indels

Length 17;

Score 15.4; DB 1; Pred. No. 1.1e+02;

0.9%;

0; Mismatches

1023 GAGCTCGACGAATCCCT 1039

à 셤

16; Conservative

Query Match Best Local Similarity Matches 16; Conserv

1 GAGCTCAACGAATCCCT 17

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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligomucleotide ADL70404-ADL7041 or short interfering RNA (siRNA) ADL7042-ADL7045 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bcl.xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl.xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl.xL is known to act as an inhibitor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Apolipoprotein J; ApoJ; polymorphism; detection; allele; exon; probe; primer; specific; Alzheimer's disease; polymerase chain reaction; PCR;
                                                                                                                                                                                                                                                            Gaps
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0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human apolipoprotein-J gene Jl-allelic specific primer/probe.
                                                                                                                                                                                                                          1.0%; Score 15.8; DB 1; Length 19;
llarity 63.2%; Pred. No. 1.5e+02;
Conservative 5; Mismatches 2; Indels
                                                                                                                                                                                               Sequence 19 BP; 8 A; 3 C; 1 G; 2 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                  1616 TAATTCAATAAAACTGTCT 1634
                                                                                                                                                                                                                                                                                                  (UYCO ) UNIV COLUMBIA NEW YORK.
                                                                                                                                                                                                                                                                                                                                                                                    AAT41543 standard; DNA; 17 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     95US-00420291.
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                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                         Local Similarity
les 12; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              primer; specif
diagnosis; ss.
                                                                                                                                                                      apoptosis.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       02-APR-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                        24-JUN-1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                               AAT41543;
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Matches
                                                                                                                                                                                                                                                                                                                                                      RESULT 206
                                                                                                                                                                                                                                                                                                                                                                       AAT41543
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Apolipoprotein J; ApoJ; polymorphism; detection; allele; exon; probe; primer; specific; Alzheimer's disease; polymerase chain reaction; PCR; diagnosis; ss.

Human apolipoprotein-J gene J2-allelic variant primer/probe.

BP

AAT41525 standard; DNA; 17

RESULT 207

AAT41525

AAT41525;

24-JUN-1997 (first entry)

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AAT41525 is a primer/probe used to detect a J2 allelic variation in the human apolipoprotein-J (ApoJ) gene. The primer/probe is used for detecting polymorphisms associated with an allelic variation in the ApoJ gene. The oligonuclectide (OG) detects the probability of a person developing Alzheimer's disease (AD), preferably in patients of African or developing a cognitive disorder, or a prostatic carcinoma. Transgenic mammals expressing an allelic variant of an ApoJ gene may be used as a prognostic and diagnostic means for studying AD, and to determine the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.9%; Score 15.4; DB 1; Length 17; 94.1%; Pred. No. 1.1e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 17 BP; 4 A; 9 C; 1 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            effectiveness of therapeutic drugs
                                                                                                                                                                                                                                                                                                                                                                Claim 27; Page 40; 62pp; English.
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es 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
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AAX63903/c
ID AAX6390
XX
AC AAX6390
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AAT41542 and AAT41543 are J1 allele-specific primer/probes used as controls in an example of a method for detecting polymorphisms associated with an allelic variation in the human apolipoprotein-J (ApoJ) gene. The oligonucleotide (OG) detects the probability of a person developing descent. The OG also detects the probability of a person of Hispanic cognitive disorder, or a prostatic carcinoma. Transgenic mammals and disgnostic means for studying AbJ and to determine the effectiveness of therapeutic drugs

Sequence 17 BP; 5 A; 6 C; 3 G; 3 T; 0 U; 0 Other;

New oligo:nucleotide specific for apolipoprotein-J polymorphisms - used to identify patients susceptible to Alzheimer's disease or prostate

WPI; 1996-477152/47

Tycko B;

Mayeux R,

Example 1; Page 21; 62pp; English.

cancer.

New oligo:nucleotide specific for apolipoprotein-J polymorphisms - or to identify patients susceptible to Alzheimer's disease or prostate

(UYCO) UNIV COLUMBIA NEW YORK.

WPI; 1996-477152/47

cancer.

Mayeux R, Tycko B;

95US-00420291. 96WO-US004510.

02-APR-1996; 11-APR-1995;

WO9632502-A1 17-0CT-1996.

Synthetic.

Human NOGO Hammerhead Ribozyme #170.

(first entry)

12-MAR-2002

ABK00170;

BP.

ABK00170 standard; RNA; 17

RESULT 209 ABK00170/c

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The present invention describes a novel enzymatic nucleic acid (ENA) having a hammerhead motif (HM) comprising; (i) at least 5 ribbse residues; (ii) a 2-C-allyl modification at position 4 of the ENA; (iii) at least ten 2'-O-methyl modifications; and (iv) a 3'-end modification. The ENA's can inhibit collagenase and stromelysin production in the synovial membrane of joints for the treatment or prevention of arthritis, particularly osteoarthritis or rheumatoid arthritis. The ENA's can also be used to treat antigen presenting cells of a donor to induce tolerance in a recipient to an alloantigen of a donor. They can also be used for enhancing graft tolerance or for treating autoimmune disease, and for treating allergies and other inflammatory conditions. The ENA's can also be used in diagnosis. Ribozyme therapy impacts on the expression of cromentration of ribozyme required to affect a therapeutic treatment is lower than that required of antisense molecules, and is highly effect. The present sequence is used in the exemplification of the
                                                                          Arthritic condition; graft tolerance; immune response; target; cleavage; hammerhead ribozyme; halrpin ribozyme; human; rabbit; mouse; collagenase; stromelysin; synovial membrane; joint; arthritis; osteoarthritis; rheumatoid arthritis; autoimmune disease; allergy; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Enzymatic nucleic acid molecules having a hammer-head motif - used for
the treatment of arthritis, induction of graft tolerance or treatment of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           , Pavco P;
Matulic-Adamic J;
                                             Rabbit stromelysin hammerhead target SEQ ID NO:535.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Jarvis T, Draper K
sman N, Wincott F,
odak A, Burgin A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17 BP; 4 A; 2 C; 4 G; 0 T; 7 U; 0 Other;
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Modak A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 1; Page 154; 307pp; English.
                                                                                                                                                                                                                                                                                                         94US-00354920.
94US-00363253.
94US-00363254.
95US-00363264.
95US-00436124.
95US-000351P.
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95US-00541365
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gustofson J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Thompson JD,
               (first entry)
                                                                                                                                                                             Oryctolagus cuniculus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            auto-immune diseases.
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                                                                                                                                                diagnosis; ss.
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                20-JUL-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Beigelman L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                           07-AUG-1995;
05-OCT-1995;
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Karpeisky A,
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07-JUL-1995
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The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down cepulates expression of a neurite growth inhibitor gene (NGGO). The nucleic acids may be enzymatic nucleic acids of e.g. a ribozyme or a nucleic acids may be enzymatic nucleic acid cleaving a an RNA molecule CC DNAzyme) an Inozyme (an endolytic nucleic acid cleaving an RNA molecule con amberzyme (cleaving RNA with an NGW triplet), a zinzyme (cleaving RNA with an NGW triplet), a zinzyme (cleaving RNA cyth a YGY mocif). The CD20-targetting nucleic acid is used to cleave RNA cyth a YGY mocif). The CD20-targetting nucleic acid is used to cleave RNA cyth a YGY mocif). The CD20-targetting nucleic acid is used to cleave RNA cyth a YGY mocif) and treat a patient having a condition associated with the level cytherapies. In particular, the CD20 targetting nucleic acid may be used to treat lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular non-treat lymphoma (NHL), bulky low-grade or follicular NHL, lymphocytic lymphoma (MCL), immunocytoma (IMC), small B-cell lymphocytic lymphoma, immunodeficiency virus) associated NHL, mantle-cell immune thrombocytopeenia, and inflammatory arthropathy. The NGGO-immune thrombocytopeenia, and inflammatory arthropathy. The NGGO-immune thrombocytopeenia, and inflammatory arthropathy. The NGGO-immune thrombocytopenia, and inflammatory arthropathy. The NGGO-immune thrombocytopenia, and inflammatory arthropathy. The NGGO-immune in the new control of cleave RNA of the NGGO-immune in the new control of cleave RNA of the NGGO-immune in the new control of cleave RNA of the new control of control of control of control of cleave RNA of the NGGO-immune control of con
                                                                                                                                                                                                    Human; 88, antisense therapy; cytostatic; antiinflammatory; haemostatic; cerebroprotective; nootropic; neuroprotective; antiparkinsonian; muchlas; CD20; neurite growth inhibitor gene; NOGO; hammerhead ribozyme; DNAzyme; inozyme; dela growth inhibitor gene; NOGO; hammerhead ribozyme; B-cell lymphoma; non-Hodgkin's lymphoma; lymphoma; leukaemia; B-cell lymphoma; non-Hodgkin's lymphoma; NHL; lymphocytic leukaemia; MCL; immunodeficiency virus; HIV associated NHL; mantle-cell lymphoma; MCL; immunocytoma; IMC; immune thrombocytopaenia; stroke; dementia; inflammatory archropathy; central nervous system injury; cerebrovascular accident; CVA; Alzheimer's disease; multiple sclerosis; cerebrotespy-induced neuropathy; amyotrophic lateral sclerosis; ALS; Parkinson's disease; ataxia; Huntington's disease; creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Chowrira BM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 88; Page 68; 200pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        central nervous system injury.
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28-FEB-2000; 2000US-0185516P.
06-MAR-2000; 2000US-0187128P.
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MCSWIGGEN J.
CHOWRIRA B M.
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Gaps

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0.9%; Score 15.4; DB 1; Length 17; 4.1%; Pred. No. 1.1e+02; ve 0; Mismatches 1; Indels

AAGAACAGAATTGCTCC 1605

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ilarity 94.1%; Conservative

Query Match Best Local Similarity Matches 16; Conserv

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presence of a divalent cation that is preferably Mg^2^+. Furthermore, the nucleic acid may be contacted with a cell to reduce NGGO activity of the cell and treat a patient having a condition associated with the level of NGGO. The treatment may further comprise the use of one or more therapies. In particular, the NGGO-targetting nucleic acid may be used to treat central nervous system (CNS) injury and cerebrovascular accident (CVA, stroke), Alzheimer's disease, dementia, multiple sclerosis (MS), Parkinson's disease, acident siscases, muscular dystrophy, amyotrophic lateral sclerosis (MS), disease, muscular dystrophy, and/or other neurodegenerative disease states which respond to the modulation of NGGO expression. The present
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
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Pred. No. 1.1e+02;
0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                          sequence is a hammerhead ribozyme of the invention
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30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
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2000US-0234687P.
2000US-0236359P.
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Best Local Similarity 94.1%;
Matches 16; Conservative
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The present invention describes a human genome-derived myosin-like protein 1 (hoDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 cucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates for hGDMLP-1 contains an analysis and protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunosoms to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific blomolecule capture probes for surface-enhanced laser desorption ionisation, as the reapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production and in vaccines or for replacement therapy. The production and in vaccines or for replacement therapy. The collymcleotide sequences encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence in the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed procession of the present invention. The specification but was obtained in electronic format directly from MIPO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New zinc finger-containing proteins and nucleic acids, useful in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 17 BP; 9 A; 2 C; 6 G; 0 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
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Best Local Similarity 94.1%;
Matches 16; Conservative
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WPI; 2003-229207/22

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             proteins and their coding sequences: MD23, MD24, MD27, MD212. MD23 is encoded at chromosome [722.1, MD24 is encoded at chromosome [722.1, MD24 is encoded at chromosome [5713.22.2, MD27 is encoded at chromosome lopil.3.22.2, MD24 is encoded at chromosome lopil.3. Experimental at encoded at chromosome lopil.3. And MD21 sequences are useful in therapy. Or in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MD23, MD24, MD27, or MD212. The nucleic acids and proteins are also useful for diagnosing or monitoring a disease caused by altered expression of MD23, MD24, MD27, or MD212. The nucleic acids can also be used as probes to detect and characterize gross alterations in MD23, MD24, MD27, or MD212 genetic locus. The probes are useful in constructing microarrays for measuring sone expression. The proteins are useful as therapeutic agents for gene therapy or as vaccines. The present sequence was used to illustrate the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV; RNA stability; RNA expression; RNA synthesis; antiennse; enzymatic nucleic acid; hammerhead ribozyme; inozyme; inozyme; inozyme; amberzyme; G-cleaver ribozyme; decoy molecule; aptamer; HBV reverse transcriptase; Enhancer I region; viral replication; degenerative; disease state; HBV infection; viral replication; viral replication; viral stability is apatocellular carcinoma; hepatotropic; cytostatic; virucide; antiinflammatory; substrate; ss.
 The present invention relates to novel human zinc finger-containing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Lee P;
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08-UTN-2001; 2001US-0087478.
08-UTN-2001; 2001US-0296876P.
24-OCT-2001; 2001US-0335059P.
                                                                                                                                                                                                                                                                                                                                                                                                                           17 GCTGCCTGCGGCTGAAG 1
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                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 94.1%;
Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Macejak D,
Roberts E;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MACEJAK D.
MCSWIGGEN J.
MORRISSEY D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Hepatitis C virus.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DRAPER K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PAVCO P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BLATT L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200281494-A1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17-OCT-2002.
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Draper K, 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ACD62817;
                                                                                                                                                                                                                                                                                                                           Query Match
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(LEEP/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (RIBO-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (BLAT/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DRAP/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (MORR/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MCSM/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 212
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8888888888888888888
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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymatic nucleic acids such as hammerhead ribozymes. DNAzymes, include antisense care nucleic acid decoy molecules and G-cleaver ribozymes. DNAzymes, include antisense cranscriptase and/or HBV reverse transcriptase primer sequences, as well as oligonucleotides that specifically bind the Enhancer I region of HBV DNA. The nucleic acid may be used to modulate the expression of HBV cycles and HBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies directed against HBV, and compounds the expression and/or replication of HCV. The compounds and methods of the invention are useful for the treatment of degenerative and issease states related to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular carcinoma. The present sequence represents a substrate for one of the HCV interview or minus strand DNAzyme sequences disclosed in the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                           Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Nucleic acid molecule, Hepatitis C virus, HCV; Hepatitis B virus, HBV; RNA stability; RNA expression; RNA synthesis, antisense; enzymatic nucleic acid, hammerhead ribozyme; DNAzyme; inozyme; amberzyme; G-cleaver ribozyme; decoy molecule; aptemer; HBV reverse transcriptase; Enhancer I region; viral replication; degenerative; disease state; HBV infection; HCV infection; cirrhosis; liver failure; hepatocellular carcinoma; hepatotropic; cytostatic; virucide; antiinflammatory; substrate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.9%; Score 15.4; DB 1; Length 17; 94.1%; Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 17 BP; 3 A; 4 C; 8 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HCV DNAzyme substrate sequence #1542.
                                                                                                                                                                                                       Claim 1; Page 288; 387pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              783
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08-UIN-2001; 2001US-00877478.
08-UIN-2001; 2001US-0296876P.
24-OCT-2001; 2001US-0335059P.
05-DEC-2001; 2001US-0337055P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              767 CCACGCCATGTTCCAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ACD59852 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity 94.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Hepatitis C virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO200281494-A1.
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                                                                                                                                            infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ACD59852;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 213
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
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(MOLE-) MOLECULAR ENGINES LAB
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(MCSW/) R
(ROBE/) I
(PAVC/) I
(MACE/) R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 215
ADI84296
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                                                                                                                                                                                                        The present invention relates to nucleic acid molecules which modulate
the synthesis, expression and/or stability of Hepatitis C virus (HCV) or
Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense
and enzymatic nucleic acids such as hammerhead ribozymes, DNAzymes,
inozymes, zinzymes, amberzymes, and G-cleaver ribozymes, DNAzymes,
cranscriptase and/or HBV reverse transcriptase primer sequences, as well
as oligonucleotides that specifically bind the Enhancer I region of HBV
DNA. The nucleic acids may be used to modulate the expression of HBV
genes and HBV viral replication. Also disclosed is a method for screening
compounds and/or potential therapies directed against HBV, and compounds
that modulate the expression and/or replication of HCV. The compounds
methods of the invention are useful for the treatment of degenerative and
methods of the invention are useful for the treatment of degenerative and
compounds and a cirrhosis, liver failure, and hepatocellular
carcinoma. The present sequence represents a substrate for one of the HCV
invention
compounds.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  primer; probe; tumour suppression; tumour reversion; apoptósis;
virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
                                                                                                                                          Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          antiviral; neuroprotective; nootropic; neuroleptic; ss;
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Б
                                                                                        Lee
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                                                                                                                                                                                                                                                                                                                                                                                                                                             0.9%; Score 15.4; DB 1; Length 17; 70.6%; Pred. No. 1.1e+02;
                                                                                       Pavco P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Tumour suppression/reversion associated nucleotide #5826.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1; Indels
                                                                                       Mcswiggen J, Morrissey D,
                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 17 BP; 2 A; 7 C; 4 G; 0 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                       Claim 1; Page 261; 387pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           766 TCCACGCCATGTTCCAG 782
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17-SEP-2001; 2001FR-00011981
                                                                                                                                                                                                                                                                                                                                                                                                                                                         70.68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 70.6
Matches 12; Conservative
                                                                                       Macejak D,
Roberts E;
           MCSWIGGEN J.
MORRISSEY D.
PAVCO P.
                                                                                                                       WPI; 2003-229207/22
                                             LEE P.
DRAPER K.
ROBERTS E.
   MACEJAK D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO2003040369-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cytostatic;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               diagnosis.
                                                                                        Blatt L, I
Draper K,
                                                                                                                                                                   infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADB45503;
                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                 (PAVC/)
(LEEP/)
(DRAP/)
(ROBE/)
             MCSW/)
   (MACE/)
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fragments of at least 15 consecutive nucleotides of these nucleotides, a fragments of at least 15 consecutive nucleotides of these nucleotides, a sequence having at least 8% identity, after optimal alignment, with the nucleotides, or the complement, or corresponding RNA, of the nucleotides nor the complement, or corresponding RNA, of the nucleotides. The nucleotides are used as probes or primers for detecting, identifying adualtifying and/or amplifying nucleic acids, as in vitro sense and antisense sequences, of nucleotides involved in tumour suppression or reversion, apoptosis and or viral resistance, to produce recombinant polypeptides, and to preper transgenic animals, as experimental models. The nucleotides (also vectors containing them and cells containing the vectors), the encoded polypeptides and antibodies of viral infections or diseases characterized by development of tumours or call degeneration (e.g. Alzheimer's disease or schizophrenia).

Analysis of the expression of the nucleotides can be used for diagnosis and polypeptides can be used to screen for their specific interactive molecules, potentially useful for treating diseases associated with abnormal
                                                                                                                        New nucleic acid encoding human prostate membrane-specific antigen, useful e.g. for treatment of tumors and viral infection, also related polypeptide and antibodies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ss; enzymatic nucleic acid; RNA cleavage; hepatitis C virus; HCV; HCV infection; type I interferon; DNAzyme.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.9%; Score 15.4; DB 1; Length 17; 94.1%; Pred. No. 1.1e+02; ive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 17 BP; 4 A; 7 C; 2 G; 4 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                 Disclosure; Page 713; 771pp; French.
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Tuijnder
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             expression of the nucleotides.
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Best Local Similarity 94.1
Matches 16; Conservative
   relerman A, Amson R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BLATT L.
MCSWIGGEN J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ROBERTS E.
PAVCO P A.
MACEJACK D.
                                                                       WPI; 2003-441574/41.
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The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from Which are conservative substitutions and 65% identity to (S1). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaccutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human, growth factor; zapol, angiopoietin homologue; cell growth; tissue development; multimeric protein; hematopoietic; angiogenic; tissue evascularization; full-thickness skin wound; venous stasis ulcer; fracture repair; skin grafting; reconstructive surgery; transplanted cell; PCR primer; ss.
                                                                                                                                                             Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Zapol, a novel angiopoietin homologue, and related DNA, useful for the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PCR primer for DNA encoding a human growth factor designated zapol
                                                                                        Shannon ME;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1; Indels
                                                                                          Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Seguence 17 BP; 9 A; 2 C; 6 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.9%; Score 15.4; DB 1; 94.1%; Pred. No. 1.1e+02;
                                                                                          Rank D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
                                                                                                                                                                                                                                                         Disclosure, SEQ ID NO 8666; Opp; English
                                                                                        Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 GAAGCCAAGAAGGAGAA 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GAAGCCAAGAAGAA
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AAX85604 standard; DNA; 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conklin DC;
                                                                                        Ji Y, Penn SG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (ZYMO ) ZYMOGENETICS
                 (RANK/) RANK D.
(CHEN/) CHEN W.
(SHAN/) SHANNON M E.
                                                                                                                            WPI; 2004-533378/51.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 1999-405158/34.
HANZEL D K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19-DEC-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO9932515-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               273
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                                                                                                                                                                                                                        function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
HANZ/)
                                                                                          Gu Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
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                                                                                      Enzymatic nucleic acid molecules which specifically cleave RNA derived from hepatitis C virus (HCV), useful for the treatment of HCV infections, especially in combination with type I interferon therapy.
                                                                                                                                                                                                 The invention relates to an enzymatic nucleic acid molecule which specifically clasures RNA derived from hepatitis C virus (RCV), in which the binding arms of the enzymatic nucleic acid molecule comprises sequences complementary to any of the defined substrate sequences given in the specification. The nucleic acid molecule may be administered for the treatment of HCV infections, especially in combination with type I interferons. The present sequence represents a HCV DNAzyme substrate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; 88; probe; myosin-like protein-l; hGDMLP-l;
hGDMLP-l agoniet hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                  Match 0.9%; Score 15.4; DB 1; Length 17; Local Similarity 70.6%; Pred. No. 1.1e+02; Les 12; Conservative 4; Mismatches 1; Indels
                   Macejack D;
                                                                                                                                                                                                                                                                                                                                                                Sequence 17 BP; 2 A; 7 C; 4 G; 0 T; 4 U; 0 Other;
                 Pavco PA,
                                                                                                                                                                Claim 1; SEQ ID NO 1542; 198pp; English
                   Roberts E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human GDMLP-1 probe SEQ ID NO:8666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               766 TCCACGCCATGTTCCAG 782
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2001WO-US000669.
2001WO-US000670.
2001US-0266860P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  В.
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2001WO-US000666.
2001WO-US000667.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                   Mcswiggen J,
                                                   WPI; 2004-031273/03
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JI Y.
PENN S G.
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30-JAN-2001;
30-JAN-2001;
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30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
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30-JAN-2001;
05-FEB-2001;
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                   Blatt L,
                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
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(PENN/)
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Lund K,
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05-MAY-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAV31968;
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                                               PCR primers AAX85603-04 were used to amplify DNA encoding a human growth factor designated zapol. Zapol is an angiopoietin homologue. The polypeptide is used to stimulate cell growth and tissue development. The polypeptides form multimeric proteins. Zapol has angiogenic or activity. The proteins can be used in assays for angiogenic activity. The proteins can be used in assays for angiogenic activity. The proteins can be used in assays for angiogenic revascularization of tissue. Specific applications include treatment of full-thickness skin wounds, including venous stasis ulcers and other chronic, non-healing wounds, as well as fracture repair, skin grafting, reconstructive surgery, and establishment of vascular networks in transplanted cells and tissues. Zapol is also useful as a research agent, such as in the expansion of hematopoietic cells (including stem cells) and endothelial cells. The polypeptides are added to tissue culture media for these cell types
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to identifying an individual who has altered risk for developing coronary stenosis comprising detecting a single nucleotide polymorphism (SNP) in any one of the 67073 nucleoctide sequences (not given in the specification), in the individual's nucleic acids, where the presence of the SNP is correlated with an altered risk for stenosis in the individual. Also included are an isolated nucleic acid molecule
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Identifying an individual who has altered risk for developing stenosis comprises detecting single nucleotide polymorphism (SNP), in the individual's nucleic acids.
                                                                                                                                                                                                                                                                                                                Gaps
study and regulation of angiogenesis and for developing inhibitors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human, 88; PCR; primer; Allele specific primer; coronary stenosis; angina; ischaemic chest pain; myocardial infarction; sudden cardiac death; SNP; single nucleotide polymorphism.
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o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Allele specific primer A for human stenosis marker hCV25612495.
                                                                                                                                                                                                                                                                                 0.9%; Score 15.4; DB 1; Length 18;
94.1%; Pred. No. 1.4e+02;
ve 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                      Sequence 18 BP; 1 A; 7 C; 4 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 19; SEQ ID NO 68096; 146pp; English.
                         Example 3; Page 55; 56pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Luke MM;
                                                                                                                                                                                                                                                                                                                                     284 GAAGAAGAGGATGCCC 300
                                                                                                                                                                                                                                                                                                                                                                                                                                 BP.
                                                                                                                                                                                                                                                                                                                                                              18 GAAGAAGAGGCTGCCC 2
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30-APR-2003; 2003US-0466437P.
                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 94:1%;
Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (APPL-) APPLERA CORP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADR74784;
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CC (comprising at least 8 contiguous nucleotides where one of the nucleotides is an SNP as cited above, or their complement), an isolated comprishing an amino acid sequence selected from any of the copypeptide comprishing the superification), an antibody that specifically binds to the polypeptide (or its antigen-binding companies), an amplified polynucleotide containing the SNP as cited (where the amplified polynucleotide containing the SNP, as cited (where the amplified polynucleotide containing the SNP, at the for nucleotides in length), an isolated polynucleotide which specifically companies and solated polynucleotide which specifically companies and solated polynucleotide which specifically companies and containing the SNP, at the for detecting a SNP in a nucleic acid molecule acid and identifying an agent useful companies. The method is carried out by a process selected from allelective specific amplification, sequencing, 5' nuclease digestion, allelectic specific amplification, sequencing, 5' nuclease digestion, molecular companies and solated is an individual who has altered risk for developing coronary stenosis of an individual who has altered risk for developing coronary stenosis of an individual who has altered risk for developing coronary stenosis an individual who has altered risk for developing coronary stenosis of an individual who has altered risk for developing coronary stenosis of an individual who has altered risk for developing coronary stenosis of an ultimately sudden cardiac death. The present sequence is an allele specification but are provided on a CD-R named CLOOISIOCDR which was not supplied with the specification.
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/note= "This sequence contains a polyamide backbone
instead of a deoxyribose backbone"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 18 BP; 4 A; 3 C; 5 G; 5 T; 0 U; 1 Other;
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96DK-00001156.
97DK-00000512.
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AAV31968 standard; DNA; 15
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Best Local Similarity 88.9
Matches 16; Conservative
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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymatic nucleic acids such as hammerhead ribozymes. DNAzymes, cand enzymatic nucleic acids such as hammerhead ribozymes. DNAzymes, inczymes, zinzymes, amberzymes, and G-cleaver ribozymes. DNAzymes, care nucleic acid decoy molecules and aptamers that bind to HBV reverse transcriptase primer sequences, as well as oligonucleotides that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV cymes and HBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies directed against HBV, and compounds that modulate the expression and/or replication of HCV. The compounds and methods of the invention are useful for the treatment of degenerative and disease states related to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocallular carcinoma. The present sequence represents a substrate for one of the HCV DNAzyme or minus strand DNAzyme sequences disclosed in the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Enzymatic nucleic acid molecules which specifically cleave RNA derived from hepatitis C virus (HCV), useful for the treatment of HCV infections,
                                      Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               acid; RNA cleavage; hepatitis C virus; HCV;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 15; DB 1; Length 17; Pred. No. 1.3e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 17 BP; 4 A; 3 C; 8 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pavco PA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.9%; Scc...
v 100.0%; Pred. No...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ss; enzymatic nucleic acid; RNA cleavage;
HCV infection; type I interferon; DNAzyme.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HCV DNAzyme substrate sequence #3014.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Roberts E,
                                                                                                                       Claim 1; Page 288; 387pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18-DEC-2000; 2000US-00740332.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADI85768 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity 100.
es 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   766 TCCACGCCATGTTCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Blatt L, Mcswiggen J,
WPI; 2003-229207/22.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2004-031273/03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ROBERTS E.
PAVCO P A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MACEJACK D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US2003125270-A1.
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                                                                                   infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADI85768;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
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Matches
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ADI85768/c
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                   Peptide nucleic acid probes for detection of ribosomal nucleic acid of mycobacteria - allow differentiation between species of tuberculosis complex and others and can penetrate cell membranes without pretreatment.
                                                                                                                                    This is the nucleotide sequence of the peptide nucleic acid (PNA) probe used in the method of the invention, to detect ribssomal nucleic acid of mycobacteria. The probes are used, in situ or in vitro, for detection of the Mycobacterium tuberculosis complex (MTC), specifically M. tuberculosis, and especially in sputum samples, but also in other body fluids, blopsy specimens, foods, soil, air and water. Particularly, they are used to diagnose, stage or monitor infection, or for identification of drug-resistant strains (which generally have mutations in rNNA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Nucleic acid molecule, Hepatitis C virus, HCV; Hepatitis B virus, HBV; RNA stability; RNA expression; RNA synthesis; antisense; enzymatic nucleic acid; hammerhead ribozyme; DNAzyme; inozyme; zinzyme;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            amberzyme, G-cleaver ribozyme, decoy molecule, aptamer,
HBV reverse transcriptase, Enhancer I region, viral replication,
degenerative, disease state, HBV infection, HCV infection; cirrhosis,
liver failure, hepatocellular carcinoma, hepatotropic, cytostatic,
virucide, antiinflammatory, substrate; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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                                                                                                                                                                                                                                                                                                                                                                   0.9%; Score 15; DB 1; Length 15; 100.0%; Pred. No. 83;
                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                              Sequence 15 BP; 3 A; 2 C; 1 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HCV minus strand DNAzyme substrate sequence #737.
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                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                Claim 22; Page 67; 106pp; English
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08-JUN-2001; 2001US-00877478.
08-JUN-2001; 2001US-0296876P.
24-OCT-2001; 2001US-0337055P.
                                                                                                                                                                                                                                                                                                                                                                                        100.001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      177 AAGGAAATTCAAAAT 191
                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.v...
Local 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ACD62818 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             15 AAGGAAATTCAAAAT 1
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MORRISSEY D.
PAVCO P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Macejak D,
Roberts E;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BLATT L.
MACEJAK D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DRAPER K.
ROBERTS E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Hepatitis C virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200281494-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     24-SEP-2003
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Draper K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ACD62818;
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(MACE/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 220
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Gaps

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EIV primer EIVAIP7A.
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                                                                                                                                                                                                                                               Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         07-MAR-1991;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      17-SEP-1992.
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24-FEB-1993
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Francis J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       mumps etc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                  AAQ35721;
                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                  Best Local
Matches
                                                                                                                                                                                                                                                                                                                                                                        AAQ35721/c
                                                                                                                                                                                                                                                                                                                                                              RESULT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention relates to a method for identifying a subject at risk of breast cancer. The method comprising detecting the presence or absence of one or more polymorphic variations associated with breast cancer in a nucleic acid sample from a subject. The nucleic acid sample comprises the DLG1 region (ADO79402), KIAA0783 region (ADO79403), DPF3 region (ADO79404) or CENPC1 region (ADO79405). The gene DLG1 (discs, large homolog I (Drosophila)) is also known as synapse-associated protein 97, hdlg or SAP97. DLG1 has been mapped to chromosomal position 3429. The gene KIAA0783 is also known as PHF14 and PHD finger protein 14. KIAA0783 has been mapped to 7P21.3. The KIAA0783 protein is a
                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Identifying a subject at risk of breast cancer by detecting the presence of polymorphic variations in the DLG1, KIAA0783, DPF3 or CENPC1 regions which are associated with breast cancer in a nucleic acid sample from a
                                                    The invention relates to an enzymatic nucleic acid molecule which specifically cleaves RNA derived from hepatitis C virus (HCV), in which the binding arms of the enzymatic nucleic acid molecule comprises sequences complementary to any of the defined substrate sequences given in the specification. The nucleic acid molecule may be administered for the treatment of HCV infections, especially in combination with type I interferons. The present sequence represents a HCV DNAzyme substrate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Cytostatic; Gene therapy; breast cancer; human; DLG1; KIAA0783; DPF3; CENPC1; SNP; single nucleotide polymorphism; PHF14; PHD finger protein 14; chromosome 7p21.3; zinc finger protein; transcription factor; extend; primer; ss.
                                                                                                                                                                                                                                        Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kammerer SM, Reneland R;
                                                                                                                                                                                                         Query Match 0.9%; Score 15; DB 1; Length 17; Best Local Similarity 100.0%; Pred. No. 1.3e+02; Matches 15; Conservative 0; Mismatches 0; Indels
 especially in combination with type I interferon therapy.
                                                                                                                                                                                  Sequence 17 BP; 4 A; 3 C; 8 G; 0 T; 2 U; 0 Other;
                              Claim 1; SEQ ID NO 3014; 198pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 4; Page 78; 227pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Braun A,
                                                                                                                                                                                                                                                                                                                                                                  ADO79635 standard; DNA; 17 BP
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24-JUL-2003; 2003US-0490234P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               25-NOV-2003; 2003WO-US037943
                                                                                                                                                                                                                                                                   766 TCCACGCCATGTTCC 780
                                                                                                                                                                                                                                                                                  15 TCCACGCCATGTTCC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                KIAA0783 extend primer #27
                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Nelson MR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2004-441037/41.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO2004047514-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                      26-AUG-2004
                                                                                                                                                                                                                                                                                                                                                                                             AD079635;
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                                                                                                                                                            seguence.
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                                                                                                                                                                                                                                                                                                                                         RESULT 222
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novel gene with unknown function, however, being a zinc finger protein, it likely to be a transcription factor. The gene DFP3 [04, zinc and double PHD fingers, family 3) is also known as CERD4, cer-d4, FFU1407 and 2810403803Rik. DFP3 is a Rho family guanine-nucleotide exchange factor. DPF3 has been mapped to chromosomal position 14624.3 -343.1. The gene CENPC1 (centromere protein [1]) is also known as Centromere autoantigen as been mapped to chromosomal position 4q12-quatantigen C1. CENPC1 has been mapped to chromosomal position 4q12-quatantigen C1. The CENPC1 protein is required for maintaining proper kinetochore plate. The CENPC1 protein is required for maintaining proper kinetochore size and a timely transition to anaphase. The method is useful for identifying a subject at risk of breast cancer, for early diagnosis, prevention and treatment of breast cancer, to analyze and predict a response to a breast cancer treatment, and in clinical drug trials. The present sequence was used in an example from the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The sequences given in AAQ35720-23 were used to generate an expression casette for the insertion of the equine influenza virus (EIV) hemagglutinin (HA) (A1/Prague/56) into NYVAC and ALVAC recombinant vectors. The HA gene sequence was isolated from an EIV cDNA library and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Cox WI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Expression cassette; equine influenza virus; EIV; hemagglutinin; HA; A1/Prague/56; NYVAC; ALVAC; recombinant vector; PCR; amplify; pCPCV1; polymerase chain reaction; pRW764.2; H6 promoter; canarypox virus; Copenhagen vaccine; vaccinia virus; virulence factors; deletion loci;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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, Pincus SE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
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Limbach KJ, Johnson GP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 3 A; 6 C; 5 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.9%; Score 15; DB 1; Le
100.0%; Pred. No. 1.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Preα. ....
''ve 0; Mismatches
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91US-00713967.
92US-00847951.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AGTGGCTCAGGCCTG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAQ35721 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    438 AGTGGCTCAGGCCTG
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Gettig RR;
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was amplified by polymerase chain reaction. The amplified sequence was inserted into the linearised plasmid pRW764.2. The resultant plasmid was designated pCPCV1 and contains the vaccinia virus H6 promoter followed by a polylinker region and flanked by canarypox virus homologous sequences. NYVAC is derived from a Copenhagen vaccine strain of vaccinia virus and ALVAC is derived from a canarypox virus which has been modified by deletion of non-essential regions of the genome encoding known or potential virulence factors. The deletion loci of both vectors were engineered as recipient loci for the insertion of foreign genes. See also AAQ35501-864. (Updated on 25-MAR-2003 to correct PN field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present sequence invention describes ribozymes targeted to modulate the synthesis and/or expression of interleukin (IL)-2R gamma encoded RNA. AAV93889 to AAV94574 represent specifically claimed ribozymes, and AAV95260 represent specifically claimed substrate sequences from the present invention. The ribozymes an be used for the treatment of, e.g. graft rejection, autoimmune disease, cancer, psoriasis, allergy and other inflammatory conditions. The ribozymes are also used to induce
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ribozymes targetted to interleukin 2 - useful for treating e.g. cancer, autoimmune disease and allergies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; IL-2 receptor g-chain; interleukin 2 receptor gamma chain;
hammerhead ribozyme; hairpin ribozyme; substrate; expression; cancer;
autoimmune disease; psoriasis; allergy; inflammatory disease;
                                                                                                                                                                                                                                                                                                 Gaps
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0
                                                                                                                                                                                                                                                       0.9%; Score 14.8; DB 1; Length 18; 88.9%; Pred. No. 1.7e+02;
                                                                                                                                                                                                                                                                                               2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          colerance in a recipient to alloantigen from a donor
                                                                                                                                                                                                                   Seguence 18 BP; 2 A; 1 C; 4 G; 11 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mouse IL-2 receptor g-chain substrate position 51.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 18 BP; 1 A; 8 C; 3 G; 0 T; 6 U; 0 Other;
                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                   222 CTCATAGAAAAACAAAC 239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 4; Page 44; 61pp; English.
                                                                                                                                                                                                                                                                                                                                                                       н
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAV95047 standard; RNA; 18 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              97WO-US021748
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Stinchcomb DT, Mcswiggen JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  96US-00758306
                                                                                                                                                                                                                                                                                                                                                           18 CTAATAGAAAAAACCAAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  24-FEB-1999 (first entry)
                                                                                                                                                                                                                                                                         Local Similarity 88.9 es 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     graft rejection; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO9824913-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              02-DEC-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                03-DEC-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11-JUN-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAV95047;
                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             жив вр
                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 224
                                                                                                                                                                                                                                                                                                                                                                                                                                                AAV95047,
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Sequences AAH17205 - AAH40944 represent PCR primers, single nucleotide polymorphisms SNPs. The present invention sites of single nucleotide polymorphisms SNPs. The present invention includes kits for determining the presence or absence of a SNP, using the includes kits for determining the presence or absence of a SNP, using the cligonucleotides of the invention. The PCR primers are used to amplify a SNP flanking sequence, the SNPE primer is used as a genotyping primer. The oligonucleotides are useful for genotyping a nucleic acid sample by performing a single-nucleotide primer extension reaction. The oligonucleotides are useful for determining the presence, absence or cledentity of a SNP and for genotype of an individual or group of individuals, having a pathological phenotypic trait suspected of being caused by one or more SNPs. Phenotypic traits include diseases e.g. agammaglobulinaemia, diabetes insipidua, Lesch-Nyhan syndrome, muscular dystrophy, familial hypercholesterolaemia, polycystic kidney disease. Creates also include symptoms of or susceptibility to multifactorial craits imperfecta and acute intermittent porphyria. Phenotypic craits also including, rheumatoid arthritis, multiple sclerosis, cliesase of which a component is or may be genetic such as autoimmune craits and analysis. The present sequence represents a PCR primer specific for a human SNP containing DNA sequence
                                                                                                                                                                                                                                                                                                         Single nucleotide polymorphism, SNP, single nucleotide primer extension, SNPE, genotyping, agammaglobulinaemia; diabetes insipidus; cancer; Lesch.Nyhan syndrome; muscular dystrophy; familial hypercholesterolaemia; polycystic kidney disease; osteogenesis imperfecta; autoimmune disease; acute intermittent porphyxia; rheumatoid arthritis; multiple sclerosis; inflammation; forensic investigation; paternity analysis; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New genotyping oligonucleotide, useful for detecting the presence, absence or identity of single polynucleotide polymorphism in a nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 18 BP; 4 A; 8 C; 5 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                      SNP specific upper PCR primer SEQ ID 301.
1121 GCTGGAGCAGCTGAACGA 1138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 1; Page 51; 83pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (ORCH-) ORCHID BIOSCIENCES INC.
                                                                                                                                            BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13-OCT-2000; 2000WO-US028436.
                        18 GCAGGAGCAGCTGAAGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Picoult-Newburg L, Pohl M;
                                                                                                                                         AAH37505 standard; DNA; 18
                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-290930/30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200129262-A2
                                                                                                                                                                                                                             14-AUG-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15-OCT-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              acid sample.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 26-APR-2001.
                                                                                                                                                                                   AAH37505;
                                                                                                  RESULT 225
                                                                                                                      AAH37505
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Gaps

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0.9%; Score 14.8; DB 1; Length 18; 88.9%; Pred. No. 1.7e+02; tive 0; Mismatches 2; Indels

16; Conservative

Matches

Best Local Similarity

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Gape

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0.9%; Score 14.8; DB 1; Length 18; 88.9%; Pred. No. 1.7e+02; iive 0; Mismatches 2; Indels

Best Local Similarity 88.9 Matches 16; Conservative

Query Match

Query Match

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 compositions comprising tyrosine phosphatase PTP10D, protein tyrosine ase Tec or egg-derived tyrosine phosphatase genes or proteins, useful treating or preventing metabolic diseases, e.g. as obesity or
                                                                                                                                                                                                                                  Tec; protein tyrosine kinase; protein tyrosine phosphatase; PTP10D; egg derived tyrosine phosphatase; BDTP; antidiabetic; hypotensive; cardiant; antilipaemic; osteopathic; cytostatic; anorectic; obesity; immunomodulator; gene therapy; metabolic disease; aating disorder; body weight regulation disorder; cachexia; diabetes mellitus; cancer; hypertension; occonary heart disease; hypercholesterolaemia; gallstone; dyslipidaemia; osteoarthitis; sleep apna; mouse; PTPRB; protein tyrosine phosphatase receptor type B precursor; PCR primer; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eulenberg K, Fritsch R, Haeder T, Broenner
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (DEVE-) DEVELOGEN ENTWICKLUNGSBIOLOGISCHE FORSCH,
                                                                                                                                                                                                          Mouse PTPRB reverse PCR primer SEQ ID NO:11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 4; Page 52; 83pp; English.
                 1492 CCAAGTAACCAGGCCCCA 1509
                                            CCAGGTGACCAGGCCCCA 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       04-DEC-2001; 2001EP-00128844.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             04-DEC-2002; 2002WO-EP013744.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-DEC-2001; 2001EP-00129138.
02-JAN-2002; 2002EP-00000010.
                                                                                                                    ACC79773 standard; DNA; 18
                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2003-532801/50.
                                                                                                                                                                                                                                                                                                                                                                                                                  WO2003047611-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Steuernagel A;
                                                                                                                                                                             02-SEP-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                12-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                        Mus sp.
Synthetic.
                                                                                                                                                 ACC79773;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Meise M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cachexia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        kinase
                                                                                        RESULT 226
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Silicon-coated magnetic particles, useful for purification of nucleic acid from body samples, do not need to be separated before quantification
PTP10D, Tec or EDTP homologous polypeptide. The nucleic acid molecule of PTP10D, Tec, or EDTP family or their fragments, may be used in the preparation of a non-human animal which over or under-expresses the PTP10D, Tec, or EDTP gene product. The present sequence represents a PCR primer for mouse protein tyrosine phosphatase receptor type B precursor (PTPRB), which is used in an example from the present invention
                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Silicon; silicon containing magnetic particle; superparamagnetic; silicon dioxide; nucleic acid isolation; probe; 88; HCV.
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                                                                                                                                                                                                                                                                  0.9%; Score 14.8; DB 1; Length 18; 88.9%; Pred. No. 1.7e+02;
                                                                                                                                                                                                                                                                                                                           Indels
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                                                                                                                                                                                                         Sequence 18 BP; 3 A; 10 C; 1 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                           0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /mod_base= OTHER
/note= "modified by TAMRA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FAM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
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/note= "modified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 7; Page 23; 35pp; German.
                                                                                                                                                                                                                                                                                                                                                                                    764 CTTCCACGCCATGTTCCA 781
                                                                                                                                                                                                                                                                                                                                                                                                                                          creceacecearcrices 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ВР
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by polymerase chain reaction.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14-JAN-2002; 2002DE-01001084.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     07-JAN-2003; 2003WO-EP000054
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Hepatitis C virus RNA probe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ACF04428 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
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                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 88.9
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hennig G, Hildenbrand
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (FARB ) BAYER AG.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 227
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Human; c-raf; A-raf; B-raf; hammerhead ribozyme; hairpin ribozyme; target; substrate; catalyst; modulation; expression; Raf gene; delivery; screening; identification; synthesis; deprotection; purification; cancer; inflammation; psoriasis; non-hepatic ascites; infection; genetic drift; restenosis; rheumatoid arthritis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      capable of modulating a process in a biological system. The method comprises: (a) introducing into the system a random library of nucleic acid catalysts (NAC) having a substrate binding domain (SBD), comprising a random sequence, and a catalytic domain (CD); and (b) identifying NAC in systems where modulation has occurred and/or determining the sequence of at least part of the SBDs in such systems. Nucleic acid molecules with endonuclease activity and catalytic activity, from the present invention, are used to modulate gene expression in plant and mammalian cells and to cleave target nucleic acid, particularly for treating systemic diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Identifying new catalytic nucleic acid that modulates selected processes - especially tibozymes that cleave Raf RNA for treating cancer, restenosis, and also new ribozymes and modified nucleoside triphosphates used as antiviral agents and synthons.
                                                                                                                                                                                           Gape
                 is lower than that required of antisense molecules, and is highly specific. The present sequence is used in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A method has been developed for the identification of a nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Bellon L;
Burgin A;
                                                                                                                                                                                           ö
                                                                                                                                                 Length 17;
                                                                                                                                                                                         1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Jarvis T, Matulic-Adamic J, Reynolds M, Kisich K, Parry T, Beigelman L, Mcswiggen JA, Karpeisky A, Thompson J, Workman CT, Beaudry A, Sweedler D;
                                                                                                         Sequence 17 BP; 4 A; 2 C; 3 G; 0 T; 8 U; 0 Other;
                                                                                                                                            Score 14.4; DB 1;
Pred. No. 1.6e+02;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human B-raf substrate nucleotide position 1085.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 177; Page 168; 259pp; English.
                                                                                                                                                                                                                                      1589 AAGAACAGAATTGCTC 1604
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 97US-0049002P.
97US-0051718P.
97US-0056808P.
97US-0061321P.
97US-0061324P.
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                                                                                                                                                                     93.8%;
                                                                                                                                                   . 98:0
                                                                                                                                                                                                                                                                              16 AAGAACAGAATTTCTC 1
                                                                                                                                                                                                                                                                                                                                                                                       AAV93469 standard; RNA; 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18-FEB-1999 (first entry)
                                                                                                                                      Query Match
Best Local Similarity 93.89
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1999-009494/01.
                                                            present invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  02-OCT-1997;
02-OCT-1997;
05-NOV-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            03-JUL-1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                  AAV93469;
                                                                                                                                                                                                                                                                                                                                                 RESULT 229
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ID AAV9
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                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention describes a novel enzymatic nucleic acid (ENA) having a hammerhead motif (HM) comprising: (i) at least 5 ribose residues ; (ii) a 2-C-allyl modification at position 4 of the ENA; (iii) at least ten 2'-O-methyl modification; and (iv) a 3'-end modification. The ENA's can inhibit collagenase and stromelysin production in the synovial membrane of joints for the treatment or prevention of arthritis, or particularly osteoarthritis or rhematoid arthritis. The ENA's can also be used to treat antigen presenting cells of a donor to induce tolerance in a recipient to an alloantigen of a donor. They can also be used for chancing graft tolerance or for treating autoimmune disease, and for treating allergies and other inflammatory conditions. The ENA's can also be used in diagnosis. Ribozyme therapy impacts on the expression of stromelysin whithout introducing the non-specific effects upon gene expression which accompany treatment with retinoids and dexamethasone. The concentration of ribozyme required to affect a therapeutic treatment
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                                                                                                                                                                                                                                                                                                                                                                                                         Arthritic condition; graft tolerance; immune response; target; cleavage; hammerhead ribozyme; haltpin ribozyme; human; rabbit; mouse; collagenase; stromelysin; synovial membrane; joint; arthritis; osteoarthritis; rheumatoid arthritis; autoimmune disease; allergy; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Enzymatic nucleic acid molecules having a hammer-head motif - used for the treatment of arthritis, induction of graft tolerance or treatment of
                                            Gaps
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Burgin A;
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                                            Indels
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                                                                                                                                                                                                                                                                                                                                                                   Rabbit stromelysin hammerhead target SEQ ID NO:536.
93.3%; Pred. No. 1.8e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Stinchcomb DT, Jarvis Gustofson J, Usman N, Thompson JD, Modak A,
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94US-00363253.
94US-00363254.
95US-00390850.
95US-00436124.
95US-00432874.
95US-000951P.
95US-000951P.
                                                                                  1509 AGCCTCCAGGCCCCC 1523
                                                                                                                                                                                                                                    AAX63904 standard; RNA; 17 BP
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                                                                                                         (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                         20-JUL-1999 (first entry)
                                        14; Conservative
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                      Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  diagnosis; ss.
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Mcswiggen J,
Karpeisky A,
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20-APR-1995;
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07-JUL-1995;
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04-MAY-1995
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                                            Matches
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caused by specific RNA, e.g. cancer, inflammation, psoriasis, non-hepatic ascites and infection. They may also be used to detect genetic drift and mutations in diseased cells and to determine c-raf RNA. Specifically NACS with RNA-cleaving activity that modulate expression of the Raf gene, are used to treat cancer, restenosis, psoriasis or rheumatoid arthritis, or generally any condition associated with the level of c-raf. Introduction of sugar/phosphate modifications increases stability against nuclease and activity. ANY90922 to ANY93N7 represent NACS that can be used in the method, specifically for modulating the expression of a Raf gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and central nervous system injury.
                                                                                                                                                                                                                                                                    Gaps
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                                                                                                                                                                                                                          0.9%; Score 14.4; DB 1; Length 17; 75.0%; Pred. No. 1.6e+02; tive 3; Mismatches 1; Indels
                                                                                                                                                                                         Sequence 17 BP; 4 A; 8 C; 1 G; 0 T; 4 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human NOGO Hammerhead Ribozyme #171.
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28-FEB-2000; 2000US-0185516P.
06-MAR-2000; 2000US-0187128P.
                                                                                                                                                                                                                                                                                                                                                                                                                                       ABK00171 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                             826 TCCACTTCCACAGCCC 841
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                                                                                                                                                                                                                        Query Match
Best Local Similarity 75.0%
Watches 12, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J.
(CHOW/) CHOWRIRA B M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2001-607195/69.
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                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 230
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The invention relates to a nucleic acid molecule which down regulates expression of a cD20 gene and a nucleic acid molecule which down regulates expression of a neurite growth inhibitor gene (NOGO). The nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a nucleic acids may be enzymatic nucleic acid cleaving an RNA molecule possessing an NCH motifi), a G-cleaver (Cleaving RNA with a NCH motifi), a G-cleaver (Cleaving RNA with a NCH motifi) a manberzyme (cleaving RNA with an NGN triplet), a zinzyme (cleaving RNA with a YGY motif). The CD20-targetting nucleic acid is used to cleave RNA of CD20 in the presence of a divalent cation that is preferably Mg^2x^+.

CC corporate the reatment may further comprise the use of one or more corporate in particular, the CD20 targetting nucleic acid may be used to treatples. In particular, the CD20 targetting nucleic acid may be used to treat lymphoma, luckamia, B-cell lymphoma, luckamia, B-cell lymphoma, luckamia, B-cell lymphoma, luckamia, B-cell lymphoma, luckamia, HIV (human immundeficiency virus) associated NHL, lymphocytic lymphoma (HIL), immunocytoma (TMC), small B-cell lymphomy (Lymphoma).

CC treat lymphoma (RNL), immunocytoma (RNC), small B-cell lymphomy (MC) of a divalent cation that is preferably Mg^2 +. Furthermore, the presence of a divalent cation that is preferably Mg^2 +. Furthermore, the contacted with a cell to reduce NOGO activity of the contact a patient having a condition associated with the level of NOGO. The treatment may further comprise the use of one of one of one of one contacted with the NOGO—created with the level of therapies. In particular, the NOGO-targetting nucleic acid may be contacted with a cell to reduce NOGO. The treatment may further comprise the use of one 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 8 A; 1 C; 3 G; 0 T; 5 U; 0 Other;
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21-SEP-2000; 2000US-023466PP.
04-0CT-2000; 2000US-0236559P.
04-0CT-2001; 2001WO-US000661.
30-JAN-2001; 2001WO-US000662.
30-JAN-2001; 2001WO-US000663.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify conclet acids in samples, as amplification substrates, to hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins amount specifically of hGDMLP-proteins, as specific biomolecule and/or amount specifically proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in the exemplification of fight present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence in the exemplification of the present sequence in the spatent did not form part of the printed specification, but was obtained in alectronic format directly from WIPO cat fip. wipo.int/pub/published_pct_sequence
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                                                                                                                                                                                                   New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
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                                                                                                                                            Shannon ME;
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                                                                                                                                            Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 17 BP; 5 A; 3 C; 7 G; 2 T; 0 U; 0 Other;
                                                                                                                                            Rank DR,
                                                                                                                                                                                                                                                             Disclosure; SEQ ID NO 8352; 214pp; English.
                                                                                                                                            Hanzel DK,
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                                      30-JAN-2001; 2001WO-US000668.
30-JAN-2201; 2001WO-US000669.
30-JAN-2001; 2001WO-US00670.
05-FEB-2001; 2001US-0266860P.
             2001WO-US000666
2001WO-US000667
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                                                                                                                                            Gu Y, Ji Y, Penn SG,
                                                                                                               (AEOM-) AEOMICA INC.
                                                                                                                                                                       WPI; 2002-179446/23.
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             30-JAN-2001;
30-JAN-2001;
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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 protein substrates, to hGDMLP-1 protein substrates for the recombinant engineering of hGDMLP-1 proteins as immunospens to raise antibodies that specifically recognise hGDMLP-1 proteins or polypeptides may be used as immunospens to raise antibodies that specific blomolecule and/or amount specifically of hGDMLP proteins, as specific blomolecule and/or amount specifically of hGDMLP proteins, as specific blomolecule captures probes for surface-enhanced laser desorption ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 proteins, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The polymucleotide sequences encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence in the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed procession of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; SEQ ID NO 8667; 214pp; English
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2000US-0236359P.
2000GB-00024263.
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30-JAN-2001; 2001WO-US000662.
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30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000670.
25-MAY-2001; 2001WO-US016981
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30-JAN-2001; 2
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27-SEP-2000;
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ABN08361/c
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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 corpused in gene therapy and vaccine production. The hGDMLP-1 corpused in gene therapy and vaccine production. The hGDMLP-1 corpused in gene therapy and vaccine production. The hGDMLP-1 corpused in the substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be corpused as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption indisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines of for replacement therapy. The production, and in vaccines of for replacement therapy. The production, and in vaccines of for replacement therapy. The production, and in vaccines of for replacement therapy. The concentration disorder associated with the expression of hGDMLP-1, in particular heart concenting of the present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence in the exemplification of the present invention. N. B. the wine in the intention of the present invention. N. B. the wine in the intention of the present directly from MIPO at this patent did not form part of the printed from the present directly from MIPO at this patent in the exemplification of the present directly from MIPO at this patent did not form part of the printed from the present directly from MIPO at the present directly directly and many directly and many directly and ma
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                                              Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart;
muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease;
skeletal muscle disorder; amplicon; screening; ss.
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Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:8353.
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30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000665.
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The present invention describes a human genome-derived myosin-like CC protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 can be used as probes to detect, characterise and quantify concleic acids can be used as probes to detect, characterise and quantify howly-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 protein variants having desired phenotyptic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be capture probes for surface-enhanced laser describing the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser describin ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production sequences encoding hGDMLP-1 may be used for diagnosting a disorder associated with the expression of hGDMLP-1, in particular heart can dispendent sequence repression of hGDMLP-1 is localised to chromosome 22.

The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence data for this patent did not form part of the printed
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                                                                                                                                                                                                                     Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
                                                                                                                                                                                     Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:10038.
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16 CAGCTCCTCCTTGCTG 1
                                                                                     ABN10046 standard; DNA; 17
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21-SEP-2000;
27-SEP-2000;
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Gaps

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Query Match 0.9%; Score 14.4; DB 1; Length 17; Best Local Similarity 93.8%; Pred. No. 1.6e+02; Matches 15; Conservative 0; Mismatches 1; Indels

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ABN10045;
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 specification, but was obtained in electronic format directly from WIPO
                                                                                                                                                                                                                                                                                                                                                                              Human, genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
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                                                                        Query Match
0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 1; Indels
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                                             Sequence 17 BP; 2 A; 4 C; 8 G; 3 T; 0 U; 0 Other;
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              at ftp.wipo.int/pub/published pct sequence
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                            and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser description ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The polymucleotide sequences encoding hGDMLP-1 may be used for diagnosting a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the ADMLP-1 sequence in the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from MIPO at ftp.wipo.int/pub/published_pct_sequence
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proteins, as standards in assays used to determine the concentration
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30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000668.
30-JAN-2001; 2001WO-US000669.
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2001WO-US000661.
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30-JAN-2001;
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06-SEP-2002.
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                     The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as specifically recognise hGDMLP-1 proteins, as specific biomolecule and/or amount specifically proteins, as specific biomolecule capture probes for surface-enhanced laser description ionisation, as therapeutic supplement in partients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The cand skeletal muscle disorders. hGDMLP-1 may be used for diagnosing a clisorder associated with the expression of hGDMLP-1 in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22.

The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence in the exemplification of the present invention. N.B.

The sequence data for this patent did not form part of the printed sequence associated with the present directly from WIPO cat fip.wipo.int/pub/published_pct_sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 0.9%; Score 14.4; DB 1; Length 17; Best Local Similarity 93.8%; Pred. No. 1.6e+02; Matches 15; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17 BP; 2 A; 3 C; 8 G; 4 T; 0 U; 0 Other;
Disclosure; SEQ ID NO 10037; 214pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        715 CCCGCATCGTCCGCAG 730
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17 CCCGCATCGTCCACAG
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treating a condition related to WNV infection e.g. pancreatitis, encephalitis, myocarditis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least the 2'-O-methyl modifications, phosphorothioate linkages on at least three of the 5' terminal nucleotides and a 3' end modification of a 3'-3' inverted abasic molety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed, however, SEQ ID NO 2194-2206 and 17502-17514 are not given molecule of the invention
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                                                                        The invention relates to nucleic acid molecules that modulate replication
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Claim 23; SEQ ID NO 7607; 495pp; English
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Matches 12; Conservative
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ACN07193;
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liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid monolecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least ten 2'-O-methyl modifications, phosphorethicate linkages on at least three of the 5' terminal nucleotides and a 3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid molecule of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, encephalitis, mayocarditis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least ten 2'-O-methyl modifications, phosphorothiacte linkages on at least three of the 5' terminal nuclectides and a 3' end modification of a 3'-3' inverted abasic molety. Nucleic acid molecules SEQ ID NO 1 to 37080
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                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                   0.9%; Score 14.4; DB 1; Length 17; 68.8%; Pred. No. 1.6e+02;
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                                                                                                                                                        Sequence 17 BP; 2 A; 9 C; 2 G; 0 T; 4 U; 0 Other;
                                                                                                                                                                                                               4; Mismatches
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Matches 11; Conservative
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(MCSW/) MCSWIGGEN J A.
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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, encephalitis, myozacatitis, municipalitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, tleast three of the 5' terminal nucleotides and a 3' end modification of a 3'3' inverted abasic moiety. Nucleic acid molecules SEQ ID No 1 to 37080 are claimed, however, SEQ ID No 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid
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                            The present sequence is that of a nucleic acid
are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not
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                                                                                                                                                                                                 Length 17;
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                                                                                                                                                                                                                                                                     1, Indels
                                                                                                                                    Sequence 17 BP; 4 A; 2 C; 9 G; 0 T; 2 U; 0 Other;
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                                                                                                                                                                                                    0.9%; Score 14.4; DB 1; 3.8%; Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                        0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.9%; Score 14.4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WNV Amberzyme substrate SEQ ID NO 7196.
                                                                                                                                                                                                                                                                                                                                         1104 CTCAACACCTCCTCT 1119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  19-OCT-2001; 2001WO-US048350.
                                                                                                                                                                                                                                     93.8%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ACN07193 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          22-APR-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                    17 CTCGACACCTCCTCT
                            in the specification. The molecule of the invention
                                                                                                                                                                                                                                                                        15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        molecule of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mcswiggen JA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Amberzyme; Zinzyme; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2002-706994/76.
                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          West Nile Virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200268637-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  06-SEP-2002.
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wnv, west Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; panoreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; clirrhosis; Hammerhead; Inozyme; DNAzyme;

Amberzyme; Zinzyme; ss

West Nile Virus. WO200268637-A2 19-OCT-2001; 2001WO-US048350. 20-OCT-2000; 2000US-0242411P.

06-SEP-2002.

(RIBO-) RIBOZYME PHARM INC.

(BLAT/) BLATT L. (MCSW/) MCSWIGGEN J A.

Blatt L, Mcswiggen JA;

WNV minus strand Hammerhead Ribozyme substrate SEQ ID NO 7606

(first entry)

22-APR-2004

ACN07603;

ACN07603 standard; RNA; 17 BP.

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RESULT 242
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       treating a condition related to WNV infection e.g. pancreatitis, treating a condition related to WNV infection e.g. pancreatitis, encephalitis, wenderly this, meningitis, neurologic infection, hepatitis, in the molecule is related from the group of ribozymes consisting of Hammerhead, Inozyme, G-claaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least ten 2'-O-methyl modifications, phosphorothicate linkages on at least three of the 5' terminal nucleotides and a 3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed, however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid molecule of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to nucleic acid molecules that modulate replication
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
             Gaps
                                                                                                                                                                                                                 WNV; West Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; panoreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.9%; Score 14.4; DB 1; Length 17; 33.8%; Pred. No. 1.6e+02; ve 0; Mismatches 1; Indels
             1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 17 BP; 4 A; 1 C; 10 G; 0 T; 2 U; 0 Other;
  Pred. No. 1.6e+02; ; Mismatches 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 23; SEQ ID NO 4503; 495pp; English
                                                                                                                                                                                           WNV Zinzyme substrate SEQ ID NO 4503.
             ö
                                     1234 CGGACGTTCCTTCCGG 1249
                                                                                                                       H.
                                                                                                                                                                                                                                                                                                                                                              19-OCT-2001; 2001WO-US048350.
93.8%;
                                                                                                                                                                                                                                                                                                                                                                                      20-OCT-2000; 2000US-0242411P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                93.8%;
                                                          N
                                                                                                                                                                                                                                                                                                                                                                                                            (RIBO-) RIBOZYME PHARM INC.
(BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J A.
                                                                                                                       ACN04500 standard; RNA; 17
                                                         17 cecacerrecareces
                                                                                                                                                                    (first entry)
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             Conservative
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                                                                                                                                                                                                                                                                   Amberzyme; Zinzyme; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2002-706994/76.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
 Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                         West Nile Virus.
                                                                                                                                                                                                                                                                                                                WO200268637-A2
                                                                                                                                                                     22-APR-2004
                                                                                                                                                                                                                                                                                                                                       06-SEP-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Blatt L,
                                                                                                                                            ACN04500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Loca
Matches
                                                                                               RESULT 241
                                                                                                             ACN04500,
                                                                                                                       요
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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, correspingly, myocarditis, meningitis, neurologic infection, hepatitis, correspingly, myocarditis, meningitis, neurologic infection, hepatitis, consecule is selected from the group of ribozymes consisting of molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-Gleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least three of the 5' terminal nucleotides and a 3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID No 14-2206 and 17502-17514 are not given the specification. The present sequence is that of a nucleic acid molecule of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                              New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.9%; Score 14.4; DB 1; Length 17;
llarity 75.0%; Pred. No. 1.6e+02;
Conservative 3; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 17 BP; 2 A; 6 C; 6 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                     Claim 23; SEQ ID NO 7606; 495pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1234 CGGACGTTCCTTCCGG 1249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |||||||::|| :|||| cggacgucccaucccgg
WPI; 2002-706994/76.
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nes 12; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 243
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Matches
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ID ABT38
XX
AC ABT38
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1104 CTCAACACCTCCT 1119

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CTCGACACCTCCTCCT

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Human MDZ3 scanning oligonucleotide SEQ ID 1452.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to a novel isolated 17 mer nucleic acid sequence, given in the specification, a sequence containing at least 15 consecutive nucleotides from the 17 mer sequence, a sequence with, after optimal alignment, at least 80 % identity to the 17 mer sequence, a sequence that alignment at least 80 % identity to the 17 mer sequence, a sequence that thybridizes to them under highly stringent conditions, or the complement of any production of the invention are useful as probes and primers for detecting, identifying adultifying and/or amplifying a nucleic acid, e.g. as one component of a gene chip, in vitro as (anti) sense reagents, and for production of recombinant polypeptides. Any of the nucleic acids, containing the nucleic of parameters containing the nucleic adids, cells containing the vector or antibodies directed against the polypeptides are useful for preparation of parameterized by development of tumours or cell diseases that are characterised by development of tumours or cell diseases that are characterised by development of tumours or cell diseases. The polypeptides can also be used to generate antibodies, and containent samples is useful for disgnosis and/or prognosis of these diseases. The polypeptides can also be used to generate antibodies, and chips. The nucleic acid sequences of the invention can be used in gene therapy. This polymucleotide sequence represents a tumour suppression chips. The related human fukutin oligonucleotide of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                     Cytostatic, virucide, neuroprotective, nootropic, neuroleptic, gene chip, antisense, sense, tumour, cell degeneration, cancer, Alzheimer's disease; schizophrenia, protein chip, gene therapy, tumour suppression, human fukutin, ds.
                                                                                                                                                                                                                                                                                                                                                                                       New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;
0
                             Tumour suppression related human fukutin oligo SEQ ID No 4522.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.9%; Score 14.4; DB 1; Length 17; 93.8%; Pred. No. 1.6e+02; tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Seguence 17 BP; 2 A; 6 C; 2 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; Page 562; 720pp; French.
                                                                                                                                                                                                                                                                                                                             Tuijnder M;
                                                                                                                                                                                                                                                                                              (MOLE-) MOLECULAR ENGINES LAB
                                                                                                                                                                                                                                  17-SEP-2002; 2002WO-IB004208.
                                                                                                                                                                                                                                                               17-SEP-2001; 2001FR-00011978.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           326 AAAGCTGAAGGAGCTC 341
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12-JUN-2003 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             15; Conservative
                                                                                                                                                                                                                                                                                                                             Telerman A, Amson R,
                                                                                                                                                                                                                                                                                                                                                         WPI; 2003-313353/30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                     WO2003025175-A2.
                                                                                                                                         Homo sapiens.
                                                                                                                                                                                                   27-MAR-2003
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ID ADB004
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AC ADB004
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DT 20-NOV
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The present invention relates to novel human zinc finger-containing proteins and their coding sequences: MDZ3, MDZ4, MDZ12, MDZ12. MDZ3 is cancoded at chromosome 7422.1, MDZ4 is encoded at chromosome 6721.3-22.2, MDZ7 is encoded at chromosome 6721.3 and MDZ12 is encoded at chromosome 1671.2 and MDZ12 is encoded at chromosome 20.2 associated with decreased or increasing or preventing a disorder associated with decreased or increased expression or activity of MDZ3, MDZ4, MDZ7, or MDZ12. The nucleic acused by altered expression of MDZ3, MDZ4, MDZ7, or MDZ12. The nucleic acused by altered expression of MDZ3, MDZ4, MDZ7, or MDZ12. The nucleic acused in MDZ3, MDZ4, MDZ7, or MDZ12. The probes are useful in constructing microarrays for measuring gene expression. The proteins are useful as therapeutic agents for gene therapy or as proteins. The present sequence was used to illustrate the invention.
Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MD21; MD21; MD21; Chromosome 7g22.1; chromosome 6p21.3-22.5; chromosome 16p11.2; chromosome 15g26.1; cancer; developmental disorder; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ12; chromosome 7q22.1; chromosome 6p21.3-22.2; chromosome 16p11.2; chromosome 15q26.1; cancer; developmental disorder; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New zinc finger-containing proteins and nucleic acids, useful in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 17 BP; 4 A; 6 C; 5 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.9%; Score 14.4; DB 1;
13.8%; Pred. No. 1.6e+02;
.ve 0; Mismatches 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 8; SEQ ID NO 1452; 103pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MDZ4, MDZ7 or MDZ12, e.g. cancer.
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ID ADB00464 standard; DNA; 17 BP.
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                                                                                                                                                                                                                                                                                                                                                                30-JUL-2002; 2002EP-00016874.
                                                                                                                                                                                                                                                                                                                                                                                                                                02-AUG-2001; 2001US-00922181.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Shannon M, Gu Y, Nguyen C;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2003-423107/40.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (AEOM-) AEOMICA INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                05-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Нощо варіепв
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Matches
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The invention relates to a novel short interfering RNA (siRNA) nucleic acid molecule or an enzymatic nucleic acid molecule, that modulates expression of a nucleic acid molecule encoding HER2, K-Ras, H-Ras, N-Ras, human immunodeficiency virus (HIV) or a component of HIV. The nucleic acid molecule of the invention has cytostatic, anti-HIV, and anti-HER2, K-Ras, H-Ras, and HIV acid molecules are useful for reducing HER2, K-Ras, H-Ras, and HIV activity in a cell. The nucleic acids are also useful for treating breast, ovarian, colorectal, lung, prostate, shown in ABZ59889 - ABZ62216, ABZ64944 - ABZ65531, ABZ65520 - ABZ65524, ABZ65530 - ABZ65551 - ABZ65524, ABZ65530 - ABZ65531 - ABZ65524 - ABZ65531 - ABZ65531 - ABZ65524 - ABZ65531 - ABZ65531 - ABZ65524 - ABZ65531 - ABZ6534 - ABZ65531 - A
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                                                                                                                                                                                                                                         Novel short interfering RNA and enzymatic nucleic acid useful for treating cancer, modulates the expression of a nucleic acid encoding HER2, K-Ras, H-Ras, N-Ras, and human deficiency virus sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.9%; Score 14.4; DB 1; Length 17; 13.8%; Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 1 A; 5 C; 9 G; 0 T; 2 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HCV DNAzyme substrate sequence #1543.
                                                                                                                                                                                                                                                                                                                                                                                Claim 58; Page 116; 185pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1507 CCAGCCTCCAGGCCCC 1522
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08-UUN-2001, 2001US-00877478.
08-UUN-2001, 2001US-0296876P.
24-CCT-2001, 2001US-0335059P.
05-DEC-2001, 2001US-0337055P.
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10-SEP-2001; 2001US-0318471P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (RIBO-) RIBOZYME PHARM INC. (BLAT/) BLATT L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   93.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ACD59853 standard; RNA; 17
                                                                 (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ribozymes of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 93.8
Matches 15; Conservative
                                                                                                                                                                                           WPI; 2003-140484/13.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200281494-A1.
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                                                                                                                                   Mcswiggen J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ACD59853;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention relates to novel human zinc finger-containing proteins and their coding sequences: MDZ3, MDZ4, MDZ12, MDZ3 is proteins and their coding sequences: MDZ3, MDZ4, MDZ12, MDZ12. MDZ3 is encoded at chromosome FQ22.1. MDZ2 is encoded at chromosome FQ21.3-22.2., MDZ7 is encoded at chromosome FQ2.1. The MDZ2 is encoded at chromosome FQ2.1. The MDZ2, MDZ4, MDZ1, and MDZ12 sequences are useful in therapy, or in manufacturing a medicament for treating or preventing a disorder sesociated with decreased or increased expression or activity of MDZ3, MDZ4, MDZ1, or MDZ12, e.g. cancer or developmental disorders. The nucleic acids and proteins are also useful for diagnosing or monitoring a disease acids can also be used as probes to detect and characterize gross alterations in MDZ3, MDZ4, MDZ7, or MDZ12. The nucleic acids can also be used as probes to detect and characterize gross alterations in MDZ3, MDZ7, or MDZ12 genetic locus. The probes are protein are useful as therapeutic agents for gene therapy or as protein are useful as therapeutic agents for gene therapy or as proteins are useful as therapeutic agents for gene therapy or as proteins are useful as therapeutic agents for gene therapy or as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New zinc finger-containing proteins and nucleic acids, useful in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MD23,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; ribozyme; short interfering RNA; siRNA; HER2; K-Ras; enzymatic nucleic acid; H-Ras; N-Ras; HIV; cytostatic; anti-HIV; anti-rheumatic; cancer; AIDS; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.9%; Score 14.4; DB 1; Length 17;
33.8%; Pred. No. 1.6e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Seguence 17 BP; 3 A; 6 C; 6 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 8; SEQ ID NO 1450; 103pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MD24, MDZ7 or MDZ12, e.g. cancer.
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06-JUN-2001; 2001US-0296249P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity 93.8%;
nes 15; Conservative
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                                                                                                                                                                                                                                             02-AUG-2001; 2001US-00922181
                                                                                                                                                                                                                                                                                                                                                                          Shannon M, Gu Y, Nguyen C;
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                                                                                                                                                                                                                                                                                                        (AEOM-) AEOMICA INC
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                                                           EP1281758-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21-MAR-2003
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                                                                                                                      05-FEB-2003.
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Gaps

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1; Indels

26-MAR-2002; 2002WO-US009187.

2001US-00817879. 2001US-00877478. 2001US-0296876P. 2001US-0335059P.

05-DEC-2001, 2001US-0337055P (RIBO-) RIBOZYME PHARM INC.

26-MAR-2001; 08-JUN-2001; 08-JUN-2001; 24-OCT-2001; MACEJAK D. MCSWIGGEN J. MORRISSEY D.

MCSW/)

(RIBO-) (BLAT/) (MACE/) LEE P. DRAPER K. ROBERTS E

(PAVC/) (LEEP/) (DRAP/) (ROBE/)

PAVCO P.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymatic nucleic acid such as hammerhead ribozymes. DNAzymes, incymes, zinzymes, amberzymes, and G-cleaver ribozymes. DNAzymes, incymes, zinzymes, and G-cleaver ribozymes. Also disclosed are nucleic acid decoy molecules and gatamers that bind to HBV reverse transcriptase primer sequences, as well cranscriptase and/or HBV reverse transcriptase primer sequences, as well as oligonucleotides that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV cymes and HBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies directed against HBV, and compounds that modulate the expression and/or replication of HCV. The compounds and methods of the invention are useful for the treatment of degenerative and seates related to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular carcinoma. The present sequence represents a substrate for one of the HCV invention.
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                                                                                                                                                              Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV; RNA expiression; RNA synthesis; antisense; enzymatic nucleic acid; hammerhead ribozyme; DNAzyme; inozyme; inozyme; amberzyme; G-cleaver ribozyme; decoy molecule; aptamer; HBV reverse transcriptase; Enhancer I region; viral replication; degenerative, disease state; HBV infection; HCV infection; cirrhosis; liver failure; hepatocellular carcinoma; hepatotropic; cytostatic; virucide; antiinflammatory; substrate; 88.
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                                                                                                     Lee
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Match 0.9%; Score 14.4; DB 1; Length 17; Local Similarity 75.0%; Pred. No. 1.6e+02; les 12; Conservative 3; Mismatches 1; Indels
                                                                                                     Pavco P,
                                                                                                     Mcswiggen J, Morrissey D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Seguence 17 BP; 2 A; 7 C; 4 G; 0 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HBV zinzyme substrate sequence #90.
                                                                                                                                                                                                                    Claim 1; Page 261; 387pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ACD53920 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          768 CACGCCATGTTCCAGC 783
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 CACGCCAUGUUCCGGC 16
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                                                                                                  Macejak D,
Roberts E;
            MCSWIGGEN J. MORRISSEY D.
                                                                                                                                         WPI; 2003-229207/22.
                                                LEE P.
DRAPER K.
ROBERTS E.
MACEJAK D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hepatitis B virus.
                                     PAVCO P.
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                                                                                                  Blatt L, I
Draper K,
                                                                                                                                                                                           infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ACD53920;
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Best Local S
                                                            (DRAP/)
(ROBE/)
                                   (PAVC/)
(LEEP/)
MACE/)
                        MORR/)
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Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus

Example 1; Page 175; 387pp; English

infection.

Lee P;

Pavco P,

Mcswiggen J, Morrissey D,

Macejak D, Roberts E;

Blatt L, M Draper K, WPI; 2003-229207/22.

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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymatic nucleic acids such as hammerhead ribozymes, DNAzymes, incymes, zinzymes, and G-cleaver ribozymes. DNAzymes, incymes, zinzymes, and G-cleaver ribozymes. Also disclosed are nucleic acid decoy molecules and aptamers that bind to HBV reverse transcriptase primer sequences, as well cranscriptase and/or HBV reverse transcriptase primer sequences, as well as oligonucleotides that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV compounds and/or potential therapies directed against HBV, and compounds that modulate the expression and/or replication of HCV. The compounds and methods of the invention are useful for the treatment of degenerative and disease states related to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular carcinome. The present sequence represents a substrate for one of the HBV inventional the present sequence represents a substrate for one of the HBV inventional the present sequence represents a substrate for one of the HBV inventional the present sequence represents a substrate for one of the HBV intentional the present sequence represents a substrate for one of the HBV intentional the present sequence represents a substrate for one of the HBV intentional the present sequence represents a substrate for one of the HBV intentional the present sequence increament the present sequence are presented to the present sequence are presented to the present sequence are presented to the presented the presented to the presented the presented to th
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Tumour suppression/reversion associated nucleotide #3944.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 17 BP; 3 A; 0 C; 11 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.9%; Score 14.4; DB 1;
93.8%; Pred. No. 1.6e+02;
Ative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   disclosed in the present invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1519 CCCCCAACTCCGCCCA
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Best Local Similarity
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04-DEC-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 249
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Homo sapiens
Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABX95832;
                                                                                                                                                           Shang J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                         дівеаве.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 251
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                à
                                                                                                                                                                                                                                                                                                                                 fragments of at least 15 consecutive nucleotides of these nucleotides, a sequence having at least 15 consecutive nucleotides of these nucleotides, a sequence having at least 80% identity, after optimal alignment, with the nucleotides, or the complement, or corresponding RNA, of the nucleotides. The nucleotides are used as probes or primers for detecting, identifying and autifying and/or amplifying nucleic acids, as in vitro sense and antisense sequences, of nucleotides involved in tumour suppression or reversion, apoptosis and or viral resistance, to produce recombinant polypeptides, and to prepare transgenic animals, as recombinant polypeptides, and to prepare transgenic animals, as recombinant the polypeptides and to prepare transgenic containing them and cells containing the vectors), the encoded polypeptides and antibodies of viral infections or diseases class vectors containing them and cells containing the vectors, the encoded polypeptides and antibodies or viral infections or diseases characterized by development of tumours or cell degeneration (e.g. Alzheimer's disease or schizophrenia).

Analysis of the expression of the nucleotides and polypeptides can also be used to screen for their specific interactive molecules, potentially useful for treating diseases associated with abnormal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
 virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
                                                                                                                                                                                                                                                   New nucleic acid encoding human prostate membrane-specific antigen, useful e.g. for treatment of tumors and viral infection, also related polypeptide and antibodies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       expression vector; anorectic; antiarteriosclerotic; cardiant; antidiabetic; elevated cholesterol; elevated lipid; adipogenesis; obseity; atherselarosis; diabetes mellitus; coronary artery heart disease; cholesterol homeostasis; ss; differntial expression.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;
0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.9%; Score 14.4; DB 1; Length 17;
93.8%; Pred. No. 1.6e+02;
ive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 17 BP; 7 A; 2 C; 5 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                Disclosure; Page 493; 771pp; French.
                                                                                                                                                                                                        Tuijnder M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  expression of the nucleotides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          154 ATCAGGGAAGTAAGTA 169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADE30979 standard; DNA; 17 BP
                                                                                                                                                                              (MOLE-) MOLECULAR ENGINES LAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Arcagggaacraagra 17
                                                                                                                                                    17-SEP-2001; 2001FR-00011981.
                                                                                                                         17-SEP-2002; 2002WO-IB004219
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Best Local Similarity 93.8%;
Matches 15; Conservative
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                                                                                                                                                                                                        Amson R,
                                                                                                                                                                                                                                   WPI; 2003-441574/41.
                                                                      WO2003040369-A2.
                                              Homo sapiens
                                                                                                                                                                                                          Telerman A,
                                                                                                 15-MAY-2003
                   diagnosis.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention describes a composition comprising at least one expression vector comprising a polymucleotide of the invention. The composition has anorectic, antiarteriosclerotic, cardiant and antidiabetic properties. The invention is used to detect and treat conditions associated with elevated cholesterol and lipid or during adipogenesis, particularly obserty, atheresclerosis, diabetes mellitus or coronary artery heart disease. This sequence represents a polymucleotide differentially expressed during cholesterol homeostasis and adipogenesis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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N-(4-methyl-3-(4-pyridin-3-yl-pyrimidin-2-ylamino)-phenyl)-4-;
(4-methyl-piperazin-1-ylmethyl)-benzamide; PCR; primer; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.9%; Score 14.4; DB 1; Length 17;
33.8%; Pred. No. 1.6e+02;
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(UYBO-) UNIV BORDEAUX 2 SEGALEN VICTOR.
(UYMU-) UNIV TECH MUENCHEN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 8; SEQ ID NO 366; 59pp; English.
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12-OCT-2001; 2001US-0328740P.
11-JAN-2002; 2002US-0347351P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   04-OCT-2002; 2002WO-EP011144.
                                                                                                                                                                                                                                                                    LYNX-) LYNX THERAPEUTICS INC
                                                                                                                                08-JAN-2003; 2003US-00339793
                                                                                                                                                                                                09-JAN-2002; 2002US-0347286P.
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nes 15; Conservative
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                                                                                                                                                                                                                                                                                                                                       Bowen B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO2003031608-A2.
US2003180764-A1
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UYOR-)

(MEDV-)

CHRU-)

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The present invention relates to mutated human Abl kinase domains that are functional and resistant to inhibition of their tyrosine kinase extivity by N-(4-methyl-3-(4-pyridin-3-y1-pyrimidin-2-ylamino) -phenyl)-4 (4-methyl-piperazin-1-ylmethyl)-benzamide, or its salt. The mutant Abl polypeptides are useful in screening for compounds that inhibit the tyrosine kinase activity of such polypeptides. Polymuclectide sequences encoding the mutant polypeptides are useful for the production of the mutant polypeptides are useful for the production of the mutant polypeptides are also useful in the diagnosis of leukaemias. The present sequence represents a PCR primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DNA storage, DNA analysis; virus identification; bacteria identification; reverse transcriptase; RT-PCR; primer; 88; HP6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New device comprising a filter layer comprising a dry solid medium comprising a hydrophilic solid matrix, and an isolation layer, useful for storing and analyzing a nucleic acid containing moiety.
                                                                                                                                                     New isolated polypeptide having mutated native human Abl kinase domains, useful for screening compounds that inhibit tyrosine kinase activity and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to a device for storage and analysis of a nucleic acid containing a moiety in a biological sample, comprising a filter layer comprising a dry solid medium comprising a hydrophilic solid
                  Branford S, Corbin A, Druker BJ, Duyster J, Hochhaus A;
Kreil S, Leguay T, Mahon F, Marit G, Mueller M;
Preudhomme C, Roche Lestienne C, Rudzki Z;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.9%; Score 14.4; DB 1;
93.8%; Pred. No. 1.6e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 1; SEQ ID NO 4; 14pp; English.
                                                                                                                                                                                                                                          Example 6; Page 34; 57pp; English.
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                                                                                                                                                                                                 for diagnosing leukemias.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sest Local Similarity 93.8 Matches 15; Conservative
                                                                                                            WPI; 2003-363366/34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2003-843261/78.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RT-PCR primer HP6.
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                                                              Peschel C,
                       Barthe C,
Hughes T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                         The present invention relates to mutated human Abl kinase domains that are functional and resistant to inhibition of their tyrosine kinase activity by N·(4-methyl)-3-(4-pyriadin-3-yl-pyriadin-2-yl-andino) -phenyl)-4-(4-methyl-piperazin-1-ylmethyl)-benzamid, or its salt. The mutant Abl polypeptides are useful in screening for compounds that inhibit the tyrosine kinase activity of such polypeptides. Polymucleotide sequences encoding the mutant polypeptides are useful for the production of the mutant polypeptides are useful for the production of the diagnosis of leukaemias. The mutant sequence represents a PCR primer used in the examples of the present invention
                                                                                                                                                                                                                                 New isolated polypeptide having mutated native human Abl kinase domains, useful for screening compounds that inhibit tyrosine kinase activity and for diagnosing leukemias.
                                                                                                            Hochhaus A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human Phe311Leu mutant Abl kinase, allele specific PCR primer F311C.
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N-(4-methyl-3-(4-pyridin-3-yl-pyrimidin-2-ylamino)-phenyl)-4-;
(4-methyl-piperazin-1-ylmethyl)-benzamide; PCR; primer; 88.
                                                                                                         Barthe C, Branford S, Corbin A, Druker BJ, Duyster J, Hoc
Hughes T, Kreil S, Leguay T, Mahon F, Marit G, Mueller M;
Peschel C, Preudhomme C, Roche Lestienne C, Rudzki Z;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Match 0.9%; Score 14.4; DB 1; Length 17; Local Similarity 93.8%; Pred. No. 1.6e+02; les 15; Conservative 0; Mismatches 1: Indels
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UNIV BORDEAUX 2 SEGALEN VICTOR.
UNIV TECH MUENCHEN.
UNIV OREGON HEALTH SCI.
UNIV HEIDELBERG.
CHRU LILLE.
MEDVET SCI PTY LTD.
                                                                                                                                                                                                                                                                                                                                  Example 6; Page 34; 57pp; English.
UNIV OREGON HEALTH SCI.
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12-OCT-2001; 2001US-0328740P.
11-JAN-2002; 2002US-0347351P.
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                                                                MEDVET SCI PTY LTD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                               WPI; 2003-363366/34.
                                         CHRU LILLE.
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12-OCT-2001;
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Query Match

Best Loca Matches

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ABX95833

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(UYMU-) (UYOR-) (UXHE-)

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matrix, and an isolation layer comprising a dry solid medium comprising a neutral solid matrix attached to a composition comprising a detergent. Storing and analysing a nucleic acid containing a moiety in a blological sample comprises applying a biological sample to the filter layer. filtering the components of the biological sample through the filter layer to the isolation layer, retaining the mucleic acid components in the isolation layer while removing the non-nucleic acid components in drying the isolation layer, providing a primer and analysing the nucleic acid components using at least one primer. The device and method are useful for storing and analysing a nucleic acid containing a moiety in a biological sample. They are also useful for identifying known or unknown virions or bacteria contained in a fluid. This sequence represents a reverse transcriptase PCR (RT-PCR) primer used in the scope of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel enzymatic nucleic acid molecule such as DNAzymes and inozymes specifically cleaving RNA derived from hepatitis B virus and comprising one or more binding arms, useful for treating hepatitis and cirrhosis.
                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hepatitis B virus; HBV; ss; enzymatic nucleic acid; RNA cleavage; hepatitis B virus infection; hepatitis; hepatocallular carcinoma; cirrhosis; liver failure; lamivudine; interferon; genetic drift; virucide; hepatotropic; antiinflammatory; cytostatic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to an enzymatic nucleic acid molecule that
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                                                                                                                                                                                                                                                                                                    0.9%; Score 14.4; DB 1; Length 17; 93.8%; Pred. No. 1.6e+02; ive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                   Sequence 17 BP; 3 A; 10 C; 3 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hepatitis B virus (HBV) RNA target sequence #1745.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Draper K, Blatt L, Mcswiggen JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-FBB-1994; 94US-00193627.
08-NOV-1999; 99US-00436430.
20-MAR-2000; 2000US-00531025.
09-MUG-2000; 2000US-00536385.
24-CCT-2000; 2000US-0069547.
08-JUN-2001; 2001US-008977478.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADM59611 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                    Query Match 0.93
Best Local Similarity 93.8°
Matches 15, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2004-247781/23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Hepatitis B virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DRAPER K.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14-MAY-1992;
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                                                                                                                                                                                                                                       invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADM59611;
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(BLAT/)
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comparising one or more binding arms, without requiring the presence of a 2'-OH group within the molecule for activity. The nucleic acids are useful for treating hepatities B virus infection, hepatitis, hepatocellular carcinoma, cirrhosis and liver failure, either alone or in combination with other therapies such as lamivudine and interferons. The nucleic acids are useful as diagnostic tools to examine genetic drift and mutations within diseased cells, for detecting the presence of HBV RNA in a cell, for the study of RNA and for down-regulating gene expression of target genes in bacterial, fungal, viral, plant or mammalian cells. This sequence represents an HBV RNA target sequence, used in the scope of the invention. Note: The sequence data for this patent is also available in electronic format from USPTO at sequence.usput.
                                                                                                                                                                                                                                                                                                                                  ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Enzymatic nucleic acid molecules which specifically cleave RNA derived from hepatitis C virus (HCV), useful for the treatment of HCV infections, especially in combination with type I interferon therapy.
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                                                                                                                                                                                                                                                                                                                                  Gaps
specifically cleaves RNA derived from hepatitis B virus (HBV) and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              enzymatic nucleic acid; RNA cleavage; hepatitis C virus; HCV; infection; type I interferon; DNAzyme.
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                                                                                                                                                                                                                                                                                           Score 14.4; DB 1; Length 17;
Pred. No. 1.6e+02;
0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                      Sequence 17 BP; 3 A; 0 C; 11 G; 0 T; 3 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HCV DNAzyme substrate sequence #1543.
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Best Local Similarity 93.8%;
Matches 15; Conservative
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ROBERTS E.
PAVCO P A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Hepatitis C virus.
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(ROBE/)
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The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from (S1) which are conservative substitutions, and 55% identity to (S1). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                        Human; ss; probe; myosin-like protein-l; hGDMLP-l;
hGDMLP-l agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
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Pred. No. 1.6e+02;
0; Mismatches 1; Indels
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                                                                                         Human GDMLP-1 probe SEQ ID NO:8665
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30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000668.
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30-JAN-2001; 2001WO-US000670
05-FEB-2001; 2001US-0266860P
25-MAY-2001; 2001US-00866108
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30-JAN-2001; 2001WO-US000665
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                                                    02-DEC-2004 (first entry)
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Best Local Similarity 93.8
Matches 15; Conservative
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HANZEL D
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CHEN W.
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27-SEP-2000;
04-OCT-2000;
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                                                                                                                                                                                                       Homo sapiens.
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30-JAN-2001;
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                 ACN71763;
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(PENN/)
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(CHEN/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Enzymatic nucleic acid molecules which specifically cleave RNA derived from hepatitis C virus (HCV), useful for the treatment of HCV infections, especially in combination with type I interferon therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to an enzymatic nucleic acid molecule which specifically cleaves RNA derived from hepatitis C virus (HCV), in which the binding arms of the enzymatic nucleic acid molecule comprises sequences complementary to any of the defined substrate sequences given in the specification. The nucleic acid molecule may be administered for the treatment of HCV infections, especially in combination with type I interferons. The present sequence represents a HCV DNAzyme substrate
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                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                         88; enzymatic nucleic acid; RNA cleavage; hepatitis C virus; HCV; HCV infection; type I interferon; DNAzyme.
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                                Query Match 0.9%; Score 14.4; DB 1; Length 17; Best Local Similarity 75.0%; Pred. No. 1.6e+02; Matches 12; Conservative 3; Mismatches 1; Indels
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Sequence 17 BP; 2 A; 7 C; 4 G; 0 T; 4 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                        DNAzyme substrate sequence #3013
                                                                                                          783
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MCSWIGGEN J.
ROBERTS E.
PAVCO P A.
MACEJACK D.
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Blatt L,

sequence

RESULT 257 ACN71763 ID ACN7

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(MCSW/) N (ROBE/) F (PAVC/) F (MACE/) N

BLAT/) RESULT 256
AD185767/C
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EW HCV INI
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EW HCW

Shannon ME;

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Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
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                                                                                                                                                                                                                                                                                                                                             Human; ss; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
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invention for scanning the sequence represented in ACN63103
                                                           Length 17;
                                                                                        Indels
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                           Sequence 17 BP; 2 A; 4 C; 8 G; 3 T; 0 U; 0 Other
                                                           0.9%; Score 14.4; DB 1; 3.8%; Pred. No. 1.6e+02;
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                                                                                         0; Mismatches
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                                                                                                                         715 CCCGCATCGTCCGCAG 730
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2001WO-US000666.
2001WO-US000667.
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2001WO-US000669.
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05-FEB-2001; 2001US-0266860P.
25-MAY-2001; 2001US-00866108.
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2000US-0236359P.
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2001WO-US000663
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2001WO-US000661
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                                                                            Local Similarity 93.8%;
es 15; Conservative
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HANZEL D K.
RANK D.
CHEN W.
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30-JAN-2001;
30-JAN-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens.
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21-SEP-2000;
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                                                                                                                                                                                                                                                                ACN73135;
                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SHAN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (HANZ/)
(RANK/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (JIYY/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (CONY)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (CHEN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gu Y,
                                                                                   Best Loca
Matches
                                                                                                                                                                                                      RESULT 259
                                                                                                                                                                                                                     ACN73135,
                                                                                                                                                                                                                                                  SXS
                                                                                                                              ठ
                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from (S1) which are conservative substitutions, and 55% identity to (S1). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle function.
                                                                                                                                                                                                                             Human; ss; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Shannon ME;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Rank D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; SEQ ID NO 10038; Opp; English.
                                                                                                                                                                                                           Human GDMLP-1 probe SEQ ID NO:10038.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2001WO-US000663.
2001WO-US000664.
2001WO-US000665.
2001WO-US000666.
2001WO-US000666.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2001WO-US000669.
2001WO-US000670.
2001US-0266860P.
2001US-00866108.
                                                                                                                 ACN73136 standard; DNA; 17 BP.
           273 GAAGCCAAGAAGA 288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2001WO-US000661.
2001WO-US000662.
                                GAAGCCAAGAAGGAGA 17
                                                                                                                                                                                                                                                                                                                                                                                            26-NOV-2003; 2003US-00723361
                                                                                                                                                                                                                                                                                                                                                                                                                          26-MAY-2000; 2000US-0207456P
                                                                                                                                                                              (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PENN S G.
HANZEL D K.
RANK D.
CHEN W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2004-533378/51.
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                                                                                                                                                                                                                                                                                                                                  US2004137589-A1.
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30-JAN-2001; 2
30-JAN-2001; 2
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05-FEB-2001; 2
25-MAY-2001; 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GU Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     30-JAN-2001;
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(SHAN/)
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(JIYY/)
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(HANZ/)
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10828394-1 1-1643.rng.sl

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Matches
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ACN71451/
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defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from (S1) which are conservative substitutions, and 65% identity to (S1). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel myosin-like protein-1, useful for treating or preventing disorder
                                                                                                                                                                                                                                                                                                Human; 88; probe; myosin-like protein-l; hGDMLP-l;
hGDMLP-l agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Shannon ME
                                                                                                                                       ö
                                                                                                                Query Match 0.9%; Score 14.4; DB 1; Length 17; Best Local Similarity 93.8%; Pred. No. 1.6e+02; Matches 15; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Chen W,
                                                                                                Sequence 17 BP; 2 A; 3 C; 8 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Rank D,
                                                                                                                                                                                                                                                                                    Human GDMLP-1 probe SEQ ID NO:8352.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  04-OCT-2000; 2000GB-00024263.
30-JAN-2001; 2001WO-US000661.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000665.
                                                                                                                                                        715 CCCGCATCGTCCGCAG 730
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30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000670.
25-FBB-2001; 2001US-02666609.
25-MAY-2001; 2001US-00866109.
                                                                                                                                                                                                                                                                                                                                                                                                    26-NOV-2003; 2003US-00723361
                                                                                                                                                                                                                                                                                                                                                                                                                                2000US-0234687P
2000US-0236359P
                                                                                                                                                                  17 CCCGCATCGTCCACAG 2
                                                                                                                                                                                                                        ACN71450 standard; DNA; 17
                                                                                                                                                                                                                                                                (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GU Y.
JI Y.
PENN S G.
HANZEL D K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SHANNON M E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-533378/51
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CHEN W.
                                                                                                                                                                                                                                                                                                                                                                US2004137589-A1
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27-SEP-2000;
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                                                                                                                                                                                                                                              ACN71450;
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(SHAN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (HANZ/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GUYY/)
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                                                                                                                                                                                                       RESULT 260
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associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; 88; probe; myosin-like protein-l; hGDWLP-l;
hGDMLP-l agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                      invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.9%; Score 14.4; DB 1; Length 17; 93.8%; Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 17 BP; 5 A; 3 C; 7 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
                                                                                                    Disclosure; SEQ ID NO 8352; Opp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human GDMLP-1 probe SEQ ID NO:8353
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27-SEP-2000; 2000US-0234587P.
04-OCT-2000; 2000US-0234589P.
05-JAN-2001; 2001WO-US000661.
05-JAN-2001; 2001WO-US000663.
05-JAN-2001; 2001WO-US000663.
05-JAN-2001; 2001WO-US000666.
05-JAN-2001; 2001WO-US000666.
05-JAN-2001; 2001WO-US000666.
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2001WO-US000670.
2001US-0266860P.
2001US-00866108.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       02-DEC-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17 CAGCTCCTCCTTGCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
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JI Y.
PENN S G.
HANZEL D K
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30-JAN-2001;
05-FEB-2001;
25-MAY-2001;
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                                                     function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ACN71451;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
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(PENN/)
(HANZ/)
(RANK/)
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05-FEB-2001; 2001US-0266860P.
25-MAY-2001; 2001US-00866108.
                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity 93.8
nes 15; Conservative
                                                                                                                    Su Y, Ji Y, Penn SG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Smith MW;
                                                                                                                                          WPI; 2004-533378/51.
                                                                                                SHAN/) SHANNON M E.
                                 GU Y.
JI Y.
PENN S G.
HANZEL D B
                                                                          RANK D.
CHEN W.
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24-AUG-1995
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAQ80949
                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                function.
                                                                 (HANZ/)
(RANK/)
                                            (JIYY/)
                                                                                      CHEN/)
                                  GUYY/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 263
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                                                                                                                                                     The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from (S1) which are conservative substitutions, and 65% identity to (S1). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A preventing a disorder associated with decreased expression or activity of preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the
                                                                            Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; 88; probe; myosin-like protein-1; hGDWLP-1;
hGDWLP-1 agonist hGDWLP antagonist; hGDWLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                                                                                                                                                                                Gaps
                                     Shannon ME;
                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                     Query Match 0.9%; Score 14.4; DB 1; Length 17; Best Local Similarity 93.8%; Pred. No. 1.66+02; Matches 15; Conservative 0; Mismatches 1: Indels
                                                                                                                                                                                                                                                                  nvention for scanning the sequence represented in ACN63103
                                      Chen W,
                                                                                                                                                                                                                                                                                      Sequence 17 BP; 5 A; 3 C; 8 G; 1 T; 0 U; 0 Other;
                                      Rank D,
                                                                                                                                     Disclosure; SEQ ID NO 8353; Opp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human GDMLP-1 probe SEQ ID NO:8667.
                                       Hanzel DK,
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2001WO-US000661.
2001WO-US000662.
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2001WO-US000664.
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2001WO-US000666.
2001WO-US000667.
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2001WO-US000669.
2001WO-US000670.
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2000US-0236359P.
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                                       Gu Y, Ji Y, Penn SG,
                                                            WPI; 2004-533378/51.
         (CHEN/) CHEN W.
(SHAN/) SHANNON M E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2004137589-A1.
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30-JAN-2001;
30-JAN-2001;
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30-JAN-2001;
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                                                                                                                  Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                                                                                                                                                            The invention relates to a novel polypeptide (I) comprising a sequence (SI) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (SI), 95% deviation from (SI) which are conservative substitutions, and 65% identity to (SI). A polypeptide of the invention acts as a agonist antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            sequence sampled mapping; genomic analysis; complex genome mapping; cosmid library; Giardia lamblia; T7 promoter; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PCR primer to generate probe flanking the sCos-1 T7 promoter site.
Shannon ME
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.9%; Score 14.4; DB 1; Length 17; 33.8%; Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1; Indels
   Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 17 BP; 9 A; 2 C; 6 G; 0 T; 0 U; 0 Other;
      Rank D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
                                                                                                                                                                                                                                                                                     Disclosure; SEQ ID NO 8667; Opp; English.
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      Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          274 AAGCCAAGAAGAA 289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     94WO-US006810
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93US-00117952
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 AAGCCAAGAAGGAGAA 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  93.88;
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(first entry)
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ADM92954;
                                                                                      Query Match
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Matches
                                                                                                                                                                                                      RESULT 265
                                                                                                                                                                                                                  ADM92954
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                                                                                                       In a sequence-sample mapping procedure using a Giardia lamblia 20-genome equivalent cosmid library, each end of the genomic insert in a cosmid was detected as a vector/genomic chimera by hybridisation with probes flanking the T3 and T7 promoter sites of accs-1. The 1046 bp T3 probe was amplified from sCos-1 with the primers AA080946 and AA080947 and the 1004 bp T7 probe was amplified with primers AA080948 and AAQ80949. The T7 probe was labelled with 35s- dATP and the T3 probe with 33P-dATP for duallabel hybridisations. Maps were constructed by determining an order of fragments with no gaps using a computer program. (Updated on 25-MAR-2003 to correct PN field.)
                                     - by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Otsuki T, Wakamatsu A, Sato H, Ishii S;
Hio Y, Otsuka K, Nagai K, Irie R, Tamechika I;
Otsuka M, Nagahari K, Masuho Y;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to a novel human polynucleotide and the encoded polypeptide. A polynucleotide of the invention may have a use in gene therapy. An oligonucleotide of the invention ADM06202-ADM06773 is useful as a primer for synthesizing the polynucleotide or as a probe for detecting the polynucleotide. The polynucleotides ADM01316-ADM01375 are useful in gene therapy, for developing a diagnostic marker or medicines
                                  Sequencing complex genomes, present as fragments in a cosmid library - b sequencing end-specific nucleotides of each clone then correlating with spatial relationship of cosmid, esp. for mammalian chromosomes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              human; gene therapy; diagnostic marker; pharmaceutical; ss; PCR; primer.
                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New polynucleotides and polypeptides are useful in gene therapy, developing a diagnostic marker or medicines for regulating their expression and activity, or as a target of gene therapy.
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                                                                                                                                                                                                                                                                               0.9%; Score 14.4; DB 1; Length 18; 33.8%; Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                       Sequence 18 BP; 4 A; 2 C; 9 G; 3 T; 0 U; 0 Other,
                                                                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 8; SEQ ID NO 5102; 305pp; English.
                                                                                     Example 3; Page 44; 128pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human PCR primer SEQ ID NO:5102.
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                                                                                                                                                                                                                                                                                           93.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                          ADM06417 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                          18 cccraacrcccccag
                                                                                                                                                                                                                                                                                         Local Similarity 93.8
ses 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Yamamoto J, Isono Y,
Seki N, Yoshikawa T,
           WPI; 1995-036508/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2003-723558/69.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens.
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                                                                                                                                                                                                                                                                                 Query Match
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Matches
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The invention relates an isolated polynucleotide (I) encoded by a cardiovascular associated (CA) gene, having allelic variation contained in a functional surrounding like full length cDNA for CA gene polypeptide, and with or without the CA gene promoter sequence. (I) is a polynucleotide comprising single nucleotide polymorphisms predicting cardiovascular disease. The polynucleotide polymorphisms predicting predisposition or susceptibility to a cardiovascular disease, e.g. atherosclerosis, ischemia/reperfusion, hypertension, restenosis, arterial inflammation, myocardial infarction, and stroke. These may also be used to predict personal medication schemes omitting adverse drug reactions, or as probes for detecting genetic polymorphisms and as templates for the recombinant production of normal or variant peptides/polypeptides encoded by the genes. This sequence corresponds to a PCR primer to amplify one of the genes of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SNP; single nucleotide polymorphism; cardiovascular associated gene; allelic variation; atherosclerosis; ischemia; reperfusion; hypertension; restenosis; arterial inflammation; myocardial infarction; stroke; primer;
                       therapy. The proteins ADW03759-ADW06201 encoded by the polynucleotides are useful as pharmaceutical agents. The present sequence represents an oligonucleotide used in the invention.
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                                                                                                                                                                                                                                                                                                                                               Gaps
for regulating their expression and activity, or as a target of
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                                                                                                                                                                                                                                                   0.9%; Score 14.4; DB 1; Length 18; 93.8%; Pred. No. 1.98+02; tive 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SNP-containing cardiovascular associated gene primer #285.
                                                                                                                                                                                   Sequence 18 BP; 4 A; 3 C; 7 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 18 BP; 8 A; 5 C; 2 G; 3 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                   1094 GTGGAAGATGCTCAAC 1109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADM92954 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                               Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2003-577532/54.
                                                                                                                                                                                                                                                                                                   Local Similarity
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The invention relates to a kit for diagnosing and treating T-cell associated diseases which comprises a panel of nucleic acid primers pecifically priming and allowing amplification of act Vbeta gene, to expecifically priming and allowing amplification of act Vbeta gene, to the versus of diseases, degenerative nervous system diseases, including autoimmune diseases, degenerative nervous system diseases, including autoimmune diseases, degenerative nervous system diseases, and neoplastic disease. Autoimmune diseases include Addison's disease, arrophic gastritis. Degenerative nervous system diseases include multiple stlerosis and Alzheimer's disease. Hypersensitivity diseases include multiple stlerosis and Alzheimer's disease. Hypersensitivities such as those present in Goodpasture's syndrome and Type IV hypersensitivities such as those caused by viruses such as HIV, fungal infections such as those caused by the yeast genus Candida, parasitic infections such as those caused by schistosomes, filaria and bacterial infections such as those caused by schistosomes, filaria and bacterial infections such as those caused by Mycobacterium. Neoplastic diseases include lymphoproliferative diseases
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kit for diagnozing and treating T-cell associated diseases e.g. autoimmune, degenerative nervous system and infectious disease, comprises nucleic acid primers specifically priming and allowing amplification of a
                                                                                                                                                                                                                                                                                                                                              human; T-cell associated disease; Vbeta; autoimmune disease; degenerative nervous system disease; graft versus host disease; hypersensitivity disease; infectious disease; neoplastic disease; Addison's disease; atrophic gastritis; degenerative nervous system disease; multiple sclerosis; Alzheimer's disease; hypersensitivity; disease; type I hypersensitivity; doodpasture's syndrome; type II hypersensitivity; infectious disease; viral infection; type IV hypersensitivity; leprosy; infectious disease; viral infection; HIV; fungal infection; Candida; parasitic infection; schistosome; filaria; bacterial infection; Mycobacterium, neoplastic disease; lymphoproliferative disease; leukacemia; lymphoma; cancer; brain cancer; breast cancer; ss; PCR; primer.
  Gaps
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  Indels
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  Mismatches
                                                                                                                                                                                                                                                                                                            Human Vbeta point mutation PCR primer #10.
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                                          1488 GTCACCAAGTAACCAG 1503
                                                                                                                                                                                      ADH71057 standard; DNA; 18 BP
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95US-00531241.
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                                                                             1 GTCACCAATTAACCAG 16
                                                                                                                                                                                                                                                                     (first entry)
    15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (HOOD/) HOOD L E. (ROWE/) ROWEN L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US2002150891-A1.
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19-SEP-1995;
                                                                                                                                                                                                                                                                     25-MAR-2004
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                                                                                                                                                                                                                               ADH71057;
      Matches
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The present invention relates to a method for ameliorating the effects of skin disorders. The method comprises contacting the skin with an antisense oligomucleotide, (for Insulin-like Growth Factor [IGRP-1] creeptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of inhibiting or reducing growth factor mediated cell proliferation, coligomucleotide which can be used to design the antisense oligomucleotide of the present invention (see AAF45151 and AAF45153-coligomucleotides of the present invention (see AAF45151 and AAF45153-colifothyosis, pityriasis, ruba, pilaris, serborrhoea, keloide, keratosis, ichthyosis, pityriasis, and pilaris, serborrhoea, keloide, keratosis, condition such as a neovascular condition of the retina, condition skin, growth factor-mediated malignancies, other sclerotic disease, kidney disease, hyperproliferation of the inside of blood
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic; cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid; skin disorder; insulin-like Growth Factor. I receptor; IGF-1; pityriasis; IGF binding proctein; IGFBP-2; IGFBP3; inflammation; psoriasis; pityriasis; growth factor mediated cell proliferation; ichthyosis; serborrhoea; ruba; keratosis; neophasia; scleroderma; wart; skin cancer; sclerotic disease; hyperneovascular condition; hyperplasia; kidney disease; neovascular condition of the retina; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ameliorating the effects of a disorder, e.g. psoriasis, by administering UV (ultra-violet) treatment (optional) and an antisense nucleic acid that inhibits or reduces growth factor mediated cell proliferation and/or
such as leukaemias, lymphomas and cancers such as cancer of the brain, breast. The present sequence represents a Vbeta point mutation PCR
                                                                                                                                                                  Gaps
                                                                                                                                                                  ö;
                                                                                                                         Score 14.4; DB 1; Length 18;
Pred. No. 1.9e+02;
0; Mismatches 1; Indels
                                                                                    Sequence 18 BP; 1 A; 4 C; 9 G; 4 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 7; Page 47; 201pp; English.
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                                                                                                                                                                                                                                                                                                                                                           AAF47085 standard; DNA; 15 BP
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                                                                                                                           0.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GFBP3 oligonucleotide #505.
                                                                                                                                                                                                              634 TCACCCGGGAGCCCCA
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                                                                                                                                Query Match 0.99
Best Local Similarity 93.8
Matches 15; Conservative
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                                                 primer.
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Mismatches

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14; Conservative

Matches

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                                                                                                                                                                                                                                                                                                                                                                                                                                             cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid; skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis; IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris; growth factor mediated cell proliferation; ichthyosis; serborrhoea; ruba; keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease; hypermeovascular condition; hyperplasia; kidney disease; neovascular condition of the retina; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ameliorating the effects of a disorder, e.g. psoriasis, by administering UV (ultra-violet) treatment (optional) and an antisense nucleic acid that inhibits or reduces growth factor mediated cell proliferation and/or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 skin disorders. The method comprises contacting the skin with an antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1 receptor, IGF binding protein [IGFBP]-2 or IGFBP], which is capable of inhibiting or reducing growth factor mediated cell proliferation, inflammation and/or other disorders. The present sequence is an oligonucleotide which can be used to design the antisense oligonucleotide which can be used to design the antisense oligonucleotide which can be used to assign the antisense is cletchyosis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, ichthyosis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, incoplasias, scleroderma, warts, benign growths, cancers of the skin, a hyperneovascular condition such as a neovascular condition of the retina, brain or skin, growth factor-mediated malignancies, other sclerotic disease, kidney disease, hyperproliferation of the inside of blood
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     present invention relates to a method for ameliorating the effects of
                                                                                                                                                                                                                                                                                                                                                                                                                          Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
                                                                                Gaps
                                                                             ö
                                   Score 14; DB 1; Length 15;
Pred. No. 1.2e+02;
0; Mismatches 0; Indels
Sequence 15 BP; 5 A; 4 C; 4 G; 2 T; 0 U; 0 Other;
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            Query Match 0.9%; Score 14; up Best Local Similarity 100.0%; Pred. No. 1.2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (MURD-) MURDOCH CHILDRENS RES INST.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 7; Page 47; 201pp; English.
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                                                                                                                                                                                                                                                              AAF47084 standard; DNA; 15 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21-JUN-2000; 2000WO-AU000693.
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                                                                                                                     136 AGCTCCAGGAATG 149
                                                                                                                                                                                                                                                                                                                                                                                       oligonucleotide #504
                                                                                                                                                           1 AGCTCCAGGAAATG 14
                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Werther GA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-041421/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200078341-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens.
                                                                                                                                                                                                                                                                                                                                               30-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       inflammation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Wraight CJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                28-DEC-2000.
                                                                                                                                                                                                                                                                                                         AAF47084;
                                                                                                                                                                                                                                                                                                                                                                                       IGFBP3
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0.9%; Score 14; DB 1; Length 15; 100.0%; Pred. No. 1.2e+02;

Best Local Similarity

Query Match

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genetic sequence, which comprises a single-stranded oligonucleotide
having a DNA domain. The DNA domain has at least one mismatch with
crespect to the genetic sequence to be altered and further comprises
chemical modifications of the oligonucleotide. The chemical modifications
consist of o-methyl modification, an LNA modification, two or more
phosphorothioate linkages on a terminus, or a combination of any two or
more of these modifications. The oligonucleotides are useful for
directing repair or alteration of plant genetic information. The
coligonucleotides are particularly useful for creating plants with desired
phenotypes, e.g. environmental or abiotic stress tolerance, improved
nutritional value (e.g. altering amino acid content of plants or
conferring amino acid over production), herbicide resistance (e.g.
clyphosate resistance, imidazolinone and sulphonjurea herbicide
resistance, porphyric herbicide resistance or triazine resistance),
classase resistance, modified oil production, modified starch production
(e.g. increased starch or production of waxy starch), altered floral
                                                                                                                                                                                                                                                                                                                  Chromosomal genomic alteration; genome altering oligonucleotide, PCR; ss; o-methyl modification; LNA modification; phosphorothioate linkage; DNA repair; DNA alteration; environmental tolerance; hygromycin B; abiotic stress tolerance; improved nutritional value; hygromycin; primer; amino acid over production; herbicide resistance; glyphosate resistance; porphyric herbicide resistance; sulphonylurea herbicide resistance; modified oil production; modified starch production; waxy starch; modified oil production; modified starch production; waxy starch; modified fatty acid content; reduced palmitate production; albino plant; increased stearate production; reduced linolenic acid production; photosynthetic process.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New oligonucleotides with modified nuclease-resistant termini, useful for creating plants with desired phenotypes, e.g. stress tolerance, improved nutritional value, herbicide or disease resistance, or modified oil
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to an oligonucleotide for targeted alteration of a
                                                                                                                                                                                                                                                                                 Stress tolerance conferring genome altering oligonucleotide #63.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kim J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 7; Page 100; 220pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Rice MC,
                                                                                                                                                ABK25595 standard; DNA; 17 BP
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30-OCT-2000; 2000US-0244989P.
27-MAR-2001; 2001US-00818875.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-JUN-2001; 2001WO-US017672
136 AGCTCCAGGAAATG 149
                                        2 AGCTCCAGGAATG 15
                                                                                                                                                                                                                                        09-APR-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eucalyptus camaldulensis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kmiec EB, Gamper HB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (UYDE ) UNIV DELAWARE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic
                                                                                                                                                                                             ABK25595;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Chromosomal genomic alteration; genome altering oligonucleotide; PCR; ss; o-methyl modification; LNA modification; phosphorothicate linkage; DNA repair; DNA alteration; environmental tolerance; hygromycin-B; abiotic stress tolerance; improved nutritional value; hygromycin, primer; amino acid over production; herbicide resistance; glyphosate resistance; imidazolinone herbicide resistance; sulphonylurea herbicide resistance; porphyric herbicide resistance; triazine resistance; disease resistance; anodified all production; modified starch production; waxy starch; altered floral morphology; male-sterile plant; albino mutant; modified fatty acid content; reduced palmitate production; albino plant; increased stearate production; reduced linolenic acid production;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New oligonucleotides with modified nuclease-resistant termini, useful for creating plants with desired phenotypes, e.g. stress tolerance, improved nutritional value, herbicide or disease resistance, or modified oil
morphology (e.g. male-sterile plants) or modified fatty acid content (e.g. reduced palmitate, increased stearate or reduced linolenic acid). The oligonucleotides are also useful for producing albino mutants for the analysis of photosynchetic processes. This sequence represents a genome altering oligonucleotide of the invention
                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Stress tolerance conferring genome altering oligonucleotide #64.
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                                                                                                                                                               Length 17;
                                                                                                                                                                                                     0; Indels
                                                                                                                      Sequence 17 BP; 2 A; 6 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                               0.9%; Score 14; DB 1; Le
100.0%; Pred. No. 1.8e+02;
                                                                                                                                                                                                       Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Rice MC,
                                                                                                                                                                                    Local Similarity 100.0%; Pines 14; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                   ABK25596 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-JUN-2000; 2000US-0208538P.
30-OCT-2000; 2000US-0244989P.
27-MAR-2001; 2001US-00818875.
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                                                                                                                                                                                                                                              1202 GGTCACCACGGTGG 1215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                14 GGTCACCACGGTGG 1
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Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 photosynthetic process
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2002-106307/14.
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                                                                                                                                                                                                                                                                                                                                                                                                                             ABK25596;
                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                RESULT 270
                                                                                                                                                                                                           Matches
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directing repair or alteration of plant genetic information. The oligonucleotides are particularly useful for creating plants with desired phenotypes, e.g. environmental or abiotic stress tolerance, improved nutritional value (e.g. altering amino acid content of plants or conferring amino acid over production), herbicide resistance (e.g. glyphosate resistance, imidazolinone and sulphonylurea herbicide resistance, porphyric herbicide resistance or triazine resistance), disease resistance, modified calistance or triazine resistance), disease resistance, modified oil production, modified starch production (e.g. increased starch or production of waxy starch), altered floral morphology (e.g. male-sterile plants) or modified fatty acid content (e.g. reduced plantate, increased stearate or reduced linolenic acid). The oligonucleotides are also useful for producing albino mutants for the analysis of photosynthetic processes. This sequence represents a genome altering oligonucleotide of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV; RNA stability; RNA expression; RNA synthesis; antisense; enzymatic nucleic acid; hammerhead ribozyme; DNAzyme; inozyme; amberzyme; G-Cleaver ribozyme; decoy molecule; aptemer; HBV reverse transcriptase; Enhancer I region; viral replication; degenerative; disease state; HBV infection; HCV infection; cirrhosis; liver failure; hepatcocallular carcinoma; hepatcotropic; cytostatic; virucide; antiinflammatory; substrate; 88.
                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Lee P;
The oligonucleotides are useful for
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                                                                                                                                                                                                                                                                                                    0.9%; Score 14; DB 1; Length 17;
100.0%; Pred. No. 1.8e+02;
ive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                     Sequence 17 BP; 5 A; 4 C; 6 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HCV DNAzyme substrate sequence #1541.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   26-WAR-2001; 2001US-00817879.
08-JUN-2001; 2001US-0087478.
08-JUN-2001; 2001US-0296876P.
24-OCT-2001; 2001US-0335059P.
05-DEC-2001; 2001US-0337055P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          26-MAR-2002; 2002WO-US009187.
                                                                                                                                                                                                                                                                                                                                                                             1202 GGTCACCACGGTGG 1215
   these modifications.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ACD59851 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                           cercaccaceeree 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                       Best Local Similarity 100.
Matches 14; Conservative
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Roberts E;
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MACEJAK D.
MCSWIGGEN J.
MORRISSEY D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Hepatitis C virus
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DRAPER K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PAVCO P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  24-SEP-2003
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Draper K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ACD59851;
                                                                                                                                                                                                                                                                                                             Query Match
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(PAVC/)
(LEEP/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 271
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especially in combination with type I interferon therapy
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                                                                                                                                                                                                                                                                                                                                                The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and entrymatic nucleic acids such as hammerhead ribozymes, DNAzymes, amberzymes, amberzymes, and enzymes. DNAzymes, c incymes, zinzymes, amberzymes, and G-cleaver ribozymes. Also disclosed are nucleic acid decoy molecules and aptamers that bind to HBV reverse transcriptase primer sequences, as well as oligonucleotides that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV CC and oligonucleotides that specifically bind the Enhancer I region of HBV CC and DNA. The nucleic acids may be used to modulate the expression and/or potential therapies directed against HBV, and compounds compounds and/or potential therapies directed against HBV, and compounds that modulate the expression and/or replication of HCV. The compounds of the invention are useful for the treatment of degenerative and disease states related to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular carcinoma. The present sequence represents a substrate for one of the HCV procession or minus strand DNAzyme sequences disclosed in the present
                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Enzymatic nucleic acid molecules which specifically cleave RNA derived from hepatitis C virus (HCV), useful for the treatment of HCV infections,
                         Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       acid; RNA cleavage; hepatitis C virus; HCV;
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                                                                                                                                                                                                                                                                                                                                                                         Score 14; DB 1; Length 17; Pred. No. 1.8e+02;
                                                                                                                                                                                                                                                                                                                                                                                                   0; Indels
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                                                                                                                                                                                                                                                                                                                                                Sequence 17 BP; 2 A; 7 C; 3 G; 0 T; 5 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                    4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         88; enzymatic nucleic acid; kwa czeavayc, HCV infection; type I interferon; DNAzyme.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HCV DNAzyme substrate sequence #1541.
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                                                                            Claim 1; Page 261; 387pp; English
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                                                                                                                                                                                                                                                                                                                                                                         0.9%;
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                                                                                                                                                                                                                                                                                                                                                                                                                           766 TCCACGCCATGTTC 779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADI84295 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                           4 UCCACGCCAUGUUC 17
                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 71.4<sup>1</sup>
Matches 10, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       enzymatic nucleic
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MCSWIGGEN J.
ROBERTS E.
PAVCO P A.
MACEJACK D.
WPI; 2003-229207/22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Hepatitis C virus.
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                                                     infection
                                                                                                                                                                                                                                                                                                                         Invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADI84295;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (BLAT/) I
(MCSW/) I
(ROBE/) I
(PAVC/) I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 272
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This invention relates to a novel method of identifying a cell having a desired oligonucleotide-directed sequence alteration at a first nucleic acid target site within the cell. The method comprises identifying the desired sequence alteration in cells that have been selected for the presence of a selectable phenotype conferred by a concurrent oligonucleotide-directed sequence alteration at a second nucleic acid target site within the cells. The method is useful in identifying a cell having a desired oligonucleotide-directed sequence alteration at a first
                                                                  The invention relates to an enzymatic nucleic acid molecule which specifically cleaves RNA derived from hepatitis C virus (HCV), in which the binding arms of the enzymatic nucleic acid molecule comprises sequences complementary to any of the defined substrate sequences given in the specification. The nucleic acid molecule may be administered for the treatment of HCV infections, especially in combination with type I interferons. The present sequence represents a HCV DNAzyme substrate
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mutant cell identification-related mutagenic oligonucleotide SeqID955
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cell identification; oligonucleotide-directed sequence alteration; selectable phenotype; transgenic plant; herbicide resistance; sterile plant; abiotic stress tolerance; albino plant;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.9%; Score 14; DB 1; Length 17; 71.4%; Pred. No. 1.8e+02; Ative 4; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 17 BP; 2 A; 7 C; 3 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 25; SEQ ID NO 955; 303pp; English.
Claim 1; SEQ ID NO 1541; 198pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (NAPR-) NAPRO BIO THERAPEUTICS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           07-OCT-2002; 2002US-0416983P. 07-MAR-2003; 2003US-0453360P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                07-OCT-2003; 2003WO-US031862
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            766 TCCACGCCATGTTC 779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADN44286 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4 UCCACGCCAUGUUC 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15-JUL-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              amino acid production; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eucalyptus camaldulensis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kmiec EB, Van Brabant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (UYDE ) UNIV DELAWARE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      selectable phenotype
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2004-340941/31.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO2004033708-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADN44286;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic
                                                                                                                                                                                                                                                                                                                                                                   sequence.
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This invention relates to a novel method of identifying a cell having a desired oligomucleotide-directed sequence alteration at a first nucleic acid target site within the cell. The method comprises identifying the desired sequence alteration in cells that have been selected for the presence of a selectable phenotype conferred by a concurrent original consideration in cells that have been selected for the presence of a selectable phenotype conferred by a concurrent original control of a selectable phenotype conferred by a concurrent original control of the cells. The method in identifying a cell target site within the cell. The method may be useful for nucleic acid target site within the cell. The method may be useful for the production of plants with herbicide resistance, male or female sterile plants, about settless tolerance, albino plants or plants with a terrile plants and production as well as for use in mammalian cell lines. The present sequence is that of a mutagenic oligonucleotide which was used in the exemplification of the invention.
                                                                                                                                                                                                                                  ö
the production of plants within the cell. The method may be useful for the production of plants with herbicide resistance, male or female sterile plants, abiotic stress tolerance, albino plants or plants with altered amino acid production as well as for use in mammalian cell lines. The present sequence is that of a mutagenic oligonucleotide which was used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Identifying a cell with a desired oligonuclectide-directed sequence alteration at a nucleic acid target site within the cell by identifying the desired sequence alteration in cells selected for the presence of a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mutant cell identification-related mutagenic oligonucleotide SeqID956.
                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cell identification, oligonucleotide-directed sequence alteration, selectable phenotype, transgenic plant, herbicide resistance, sterile plant, abiotic stress tolerance, albino plant,
                                                                                                                                                                                                                                    .
0
                                                                                                                                                                                      Match 0.9%; Score 14; DB 1; Length 17; Local Similarity 100.0%; Pred. No. 1.88+02; les 14; Conservative 0; Mismatches 0; Indels
                                                                                                                                                   Sequence 17 BP; 2 A; 6 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 25; SEQ ID NO 956; 303pp; English
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(NAPR-) NAPRO BIO THERAPEUTICS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                          ADN44287 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  07-OCT-2002; 2002US-0416983P.
07-MAR-2003; 2003US-0453360P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             07-OCT-2003; 2003WO-US031862
                                                                                                                                                                                                                                                                             1202 GGTCACCACGGTGG 1215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          amino acid production; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ä
                                                                                                                                                                                                                                                                                                                    14 dercaccacedres 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eucalyptus camaldulensis.
Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           selectable phenotype.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-340941/31.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO2004033708-A2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADN44287;
                                                                                                                                                                                               Query Match
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                                                                                                                                                                                                                                                                                                                                                                                        RESULT 274
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New anti:sense hepatitis C virus oligo:nucleotide(s) - used for inhibiting HCV RNA translation, for the treatment or prevention of HCV
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                                                                Gaps
                                                                                                                                                                                                                                                                                                                      Inhibition, expression; hepatitis C virus; HCV; non-A; non-B; RNA; translation; in vivo; ex vivo; in vitro; treatment; prevention; infection; antisense; non coding; region; NCR; core region; 88.
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88.2%; Pred. No. 1.9e+02;
trive 0; Mismatches 2; Indels
                                  0.9%; Score 14; DB 1; Length 17;
100.0%; Pred. No. 1.8e+02;
                                                                Indels
                                                                                                                                                                                                                                                                                           Hepatitis C virus antisense oligonucleotide A377 (17).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 17 BP; 1 A; 1 C; 4 G; 11 T; 0 U; 0 Other;
       Sequence 17 BP; 5 A; 4 C; 6 G; 2 T; 0 U; 0 Other;
                                               Claim 1; Page 31; 50pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     no. indicates the posterion of the fold molar excess to HCV RNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               238
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                                                                                                                                                                                                         BP.
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                                                                                                1202 GGTCACCACGGTGG 1215
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                                                                                                                                                                                                         AAT05231 standard; DNA; 17
                                                                                                                   4 GGTCACCACGGTGG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GEHO ) GEN HOSPITAL CORP.
                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity 88.2
nes 15; Conservative
                                       Query Match
Best Local Similarity 100.0
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Wands JR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 1995-404113/51.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10-MAY-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                      WO9530746-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 08-MAY-1995;
                                                                                                                                                                                                                                                                   13-JUN-1996
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              infection
                                                                                                                                                                                                                                                                                                                                                                                        Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11
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                                                                                                                                                                                                                                       AAT05231;
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Skokut TA;

Guo L,

Mcswiggen JA, Merlo PAO, Merlo DJ;

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Ribozyme which modulates plant gene expression - preferably modulates expression of DELTA-9 desaturase or granule bound starch synthase in
                                                                                                                                                                                                                                                                                                     Claim 38; Page 85; 155pp; English.
                                                                                        96WO-US011689.
                                                                                                                    95US-0001135P
                                                                                                                                             (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                  Zwick MG, Edington BE,
Young SA, Folkerts O,
                                                                                                                                                                                                                          WPI; 1997-202224/18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                         (DOWC ) DOWELANCO.
                                                                                                                                                                                                                                                                            maize or canola.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      27-NOV-1995;
04-DEC-1995;
08-DEC-1995;
                                     WO9710328-A2
                                                                                        12-JUL-1996;
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                                                               20-MAR-1997.
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             Zea mays.
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                                                                         Vascular endothelial growth factor receptor; VEGF receptor; flt-1; flk-1; KDR; hammerhead ribozyme; hairpin ribozyme; cleavage; tumour angiogenesis; psoriasis; rheumatoid arthritis; ocular disease; fme-like tyrosine kinase 1; kinase insert domain containing receptor; foetal liver kinase 1; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention describes nucleic acid molecules which modulate the synthesis, expression and/or stability of a mRNA encoding 1 or more receptors of vascular endothelial growth factor (VEGF). A patient (preferably human) having a condition associated with the level of the fms-like tyzosine kinase 1 (flt-1), kinase insert domain containing receptor (KDR) and/or foetal liver kinase 1 (flk-1) (e.g. tumour anglogenesis, ocular diseases, psoriasis and rheumatoid arthritis) can be treated by administering the nucleic acid molecule or the expression vector to the patient. AAX67275 to AAX75722 represent specific examples of nucleic acid molecules from the present invention
                                                                                                                                                                                                                                                                                                                                                                                                 Nucleic acid molecule modulating VEGF receptor(s) gene expression or mRNA stability - useful for treating e.g. tumour angiogenesis, psoriasis, rheumatoid arthritis, etc., in a human patient.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Maize; corn; Zea mays; delta-9 desaturase; GBSS; target; substrate; granule bound starch synthase; hammerhead ribozyme; hairpin ribozyme; modulation; gene expression; transgenic plant; cleavage; canola plant; caffeine synthesis; coffee plant; nicotine production; tobacco; fruit ripening; flower pigmentation; lignin production; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                 Mouse flt-1 VEGF receptor hammerhead ribozyme substrate #537,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ch 0.8%; Score 13.8; DB 1; Length 17; Il Similarity 64.7%; Pred. No. 1.9e+02; 11; Conservative 4; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Delta-9 desaturase hamerhead ribozyme target SEQ ID NO:687.
                                                                                                                                                                                                                                                                                                                                              Pavco P, Mcswiggen J, Stinchcomb D, Escobedo J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 2 A; 8 C; 3 G; 0 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 4; Page 171; 218pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1112 CTCCTCCTTGCTGGAGC 1128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAX62812 standard; RNA; 17 BP.
                                                                                                                                                                                                                                     96WO-US017480
                                                                                                                                                                                                                                                                 95US-0005974P
                                                                                                                                                                                                                                                                             96US-00584040
                                                                                                                                                                                                                                                                                                      (RIBO-) RIBOZYME PHARM INC. (CHIR ) CHIRON CORP.
                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          16-JUL-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                        WPI; 1997-259017/23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 11; Conserv
                                                                                                                                                                                   WO9715662-A2.
                                                                                                                                                                                                                                      25-OCT-1996;
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                        28-JUL-1999
                                                                                                                                                                                                                                                                 26-OCT-1995;
                                                                                                                                                                                                              01-MAY-1997
AAX75009
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AAX62812/c
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The present invention describes an enzymatic nucleic acid molecule (I) with RNA cleaving activity, which modulates the expression of a plant gene. Also described is a gene comprising a cDNA sequence encoding maize Delta-9 desaturase. (I) can be used to modulate expression of a gene, preferably Delta-9 desaturase or a granule bound starch synthase (GBSS) gene, in a plant (preferably a maize or canola plant). (I) can be used to modulate eaffeine synthesis in a coffee plant, incorine production in a tobacco plant, fruit ripening processes in an apple, tomato, pear, plum or peach plant, flower pigmentation in a rose, petunia, chrysanthemum or marigold plant or lignin production in a tobacco, aspen, poplar or pine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ob receptor; ObR; cytokine receptor; signal transduction; eating disorder; obesity; cachexia; anorexia; bulimia; diagnosis; gene therapy; polymerase chain reaction; PCR; primer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
/ative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 5 A; 3 C; 6 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1213 TGGCTTCCCACACTTCT 1229
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Murine obR gene forward primer
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  95US-00562663.
95US-00566622.
95US-00569485.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17 TGGCTGCCAACACTTCT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15, Conservative
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A method has been developed of separating and detecting tagged polynucleotides. The method comprises: providing a set of polynucleotides, each tagged with a chromophore or fluorophore; resolving to separate one of the tagged polynucleotides from other tagged to polynucleotides differing in length by a single nucleotide using an electrophoretic procedure capable of resolving tagged polynucleotides will be a single nucleotide and detecting the resolved tagged differing by a single nucleotide, and detecting the resolved tagged polynucleotides by means of the chromophore or fluorophore. The present invention also describes a method of determining the sequence of a polynucleotide by analysing tagged polynucleotide fragments generated by a polynucleotide fragments into an electrophoretic medium; cappandium using an electrophoretic procedure capable of resolving the separated tagged polynucleotide fragments in the electrophoretic polynucleotide fragments differing in length by a single nucleotide; chromophore or fluorophore; and determining the polynucleotide sequence from the polynucleotide fragment setted. The present sequence fragment with a fluorophore; and determining the polynucleotide sequence or polynucleotide fragment sequence fragment with a fluorophore.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Secondary structure; mRNA; phosphorothicate backbone; G-protein; bronchoconstriction; lung inflammation; asthma; pulmonary disease; allergy; emphysema; cystic fibrosis; ss.

    .17
/ttag= a
    ncontains phosphorothioate internucleotide
linkages"

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                                                                                                                                                                                                                                                                                                                                                                                                              0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
ve 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17 BP; 5 A; 4 C; 4 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
                           Disclosure; Fig 1; 16pp; English.
                                                                                                                                                                                                                                                                                                                                         represents a DNA fragment used fragment with a fluorescent tag
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1357 AAGCGCTGCAGGAATAC 1373
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ВР
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                                                                                                                                                                                                                                                                                                                                                                                                                                     88.2%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAV47411 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10-NOV-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity 88.2
nes 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 1998-322464/28.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 modified base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         26-NOV-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO9823294-A1
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fluorophore
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAV47411;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAV47411
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                           Forward and reverse PCR primers (AATG9614 and AATG9615) are based on the 3' sequence of mouse Ob receptor (ODR) CDNA clone famj5312 (see also AATG9590). They revealed a polymorphism on SSCP gels between C5781/6J genomic DNA and wild-derived Mus spretus strain SPREYE1 DNA. The polymorphism allowed the genetic mapping of famj5312 to murine chromosome 4, approx. 2.2 of distal to the marker D4Mit96 and 4.6 cM proximal to the marker D4Mit46. This mapping confirmed the results obtd. using another primer pair (AAT69612-13) derived from famj5312
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Electrophoretic analysis of DNA fragments - tagged with chromophore or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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                                                                                                                                                                                      Isolated Ob receptor genes and polypeptide(s) - useful to develop products for diagnosis or treatment of body weight disorders, e.g. obesity, cachexia, anorexia and bulimia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Electrophoretic analysis; DNA fragment; sequencing; chromophore;
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0
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88.2%; Pred. No. 1.9e+02;
Live 0; Mismatches 2; Indels
                                                                                                                           White DW;
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                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 17 BP; 3 A; 6 C; 2 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          fluorophore; tag; electrophoresis; primer; ss
                                                                                                                           Tepper RI, Culpepper JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hunkapiller MW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (CALY ) CALIFORNIA INST OF TECHNOLOGY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic DNA fragment from US5821058.
                                                                                                                                                                                                                                                      Example; Page 122; 265pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       660 CACTACCTGCCTTCAG 676
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85US-00722742.
87US-00106232.
91US-00660160.
92US-00898019.
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 95US-00570142.
95US-00583153.
96US-00599455.
96US-00638524.
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                                                                                             (MILL-) MILLENNIUM PHARM INC
                                                               96US-00708123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.8
Best Local Similarity 88.2
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1998-567653/48
                                                                                                                                                          WPI; 1997-310525/28.
                                                                                                                              Tartaglia LA,
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11-APR-1985;
07-OCT-1987;
21-FEB-1991;
                  28-DEC-1995;
22-JAN-1996;
26-APR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     21-DEC-1994;
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                                                                 03-SEP-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAV61074;
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human adenosine Ai receptor, the design of which required the secondary structure of this targets mRNA. The adenosine receptor mRNA secondary structure was both analysed and used to construct antisense oilgonucleotides containing a phosphorothioate backbone. Once the antisense molecules are created they can be used to target their predetermined target, thus causing the gene product to decrease. The antisense oilgonucleotides were targeted to specific mRNA regions containing either a junction between the intron and exon, or where they may overlap the initiation codon. The receptor is a member of the Granden coupled family of call surface receptors that have 7-transmembrane segments. These oligonucleotides can be used to treat or protein coupled family of call surface receptors that have 7-transmembrane segments with bronchocomstriction and/or lung inflammation in humans or other animals e.g. asthma, pulmonary disease, allergy, emphysema and cystic fibrosis
                                                                                                                                        Sequences AAV46501-V47446 are anti-sense oligonucleotides that target the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present sequence invention describes ribozymes targeted to modulate the synthesis and/or expression of interleukin (IL)-2R gamma encoded RNA. AAV93889 to AAV94574 represent specifically claimed ribozymes, and AAV9575 to AAV95260 represent specifically claimed substrate sequences from the present invention. The ribozymes can be used for the treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ribozymes targetted to interleukin 2 - useful for treating e.g. cancer, autoimmune disease and allergies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; IL-2 receptor g-chain; interleukin 2 receptor gamma chain; hammerhead ribozyme; hairpin ribozyme; substrate; expression; cancer; autoimmune disease; psoriasis; allergy; inflammatory disease;
respiratory system, suitable for long term treatment of asthma, adult respiratory distress syndrome etc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.9e+02; Matches 15; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human IL-2 receptor g-chain substrate position 1385.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;
                                                                                     Claim 12; Page 8-24; 47pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           97WO-US021748
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                         human adenosine Al receptor, the design of which required the secondary terreture of this targets mRNA. The adenosine receptor mRNA secondary structure of this targets mRNA. The adenosine receptor mRNA secondary structure was both analysed and used to construct antisense containing a phosphorothioate backbone. Once the antisense molecules are created they can be used to target their cantisense molecules are created they can be used to target their predetermined target. thus causing the gene product to decrease. The antisense oligonucleotides were targeted to specific mRNA regions containing either a junction between the intron and exon, or where they may overlap the initiation codon. The receptor is a member of the Growton coupled family of cell surface receptors that have 7-

provent conditions associated with bronchoconstriction and/or lung inflammation in humans or other animals e.g. asthma, pulmonary disease, allergy, emphysema and cystic fibrosis
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           Treating respiratory disease with antisense sequences directed against adenosine or bradykinin receptors - with localised delivery to the respiratory system, suitable for long term treatment of asthma, adult respiratory distress syndrome etc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Secondary structure; mRNA; phosphorothioate backbone; G-protein; bronchoconstriction; lung inflammation; asthma; pulmonary disease; allergy; emphysema; cystic fibrosis; ss.
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/note= "contains phosphorothioate internucleotide
linkages"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;
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                                                                                                                                              Claim 12; Page 8-24; 47pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1530 GCCCAGCCTCTCCCCGC 1546
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10-NOV-1998 (first entry)
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Best Local Similarity 88.2
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human, c-raf, A-raf, B-raf, hammerhead ribozyme, hairpin ribozyme,
target, substrate, catalyst, modulation, expression, Raf gene, delivery,
screening; identification; synthesis, deprotection, purification, cancer,
inflammation, psoriasis, non-hopatic ascites; infection, genetic drift,
restenosis, rheumatoid arthritis, ss.
                            and other inflammatory conditions. The ribozymes are also used to induce tolerance in a recipient to alloantigen from a donor
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graft rejection, autoimmune disease, cancer, psoriasis, allergy
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Burgin A;
                                                                                                                                                                                                                                             ;
                                                                                                                                                                          Score 13.8; DB 1; Length 17;
Pred. No. 1.9e+02;
7; Mismatches 2; Indels
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Beigelman L, Mcswiggen JA, Karpeisky A,
J, Workman CT, Beaudry A, Sweedler D;
                                                                                                                   Sequence 17 BP; 0 A; 10 C; 0 G; 0 T; 7 U; 0 Other;
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                                                                                                                                                                                                                                                                                                          693 CCTCACTTCTTTCC 709
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97US-0049002P.
97US-0051718P.
97US-0051808P.
97US-0061321P.
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ccucccuuccucuucc 17
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                                                                                                                                                                                0.8%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                             8; Conservative
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                                                                                                                                                                          Query Match
Best Local Similarity
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Thompson J,
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   e.g. g
other
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               ascites and infection. They may also be used to detect genetic drift and mutations in diseased cells and to determine c-raf RNA. Specifically NACs with RNA-cleaving activity that modulate expression of the Raf gene, are used to treat cancer, restenosis, pacriaais or rheumatoid arthritis, or generally any condition associated with the level of c-raf. Introduction activity, AAV90922 to AAV9387 represent NACs that can be used in the method, specifically for modulating the expression of a Raf gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The specification describes antisense oligonucleotides (AAX52869-X55271) directed against at least 2 mRNAs selected from target genes, coding and non-coding regions of RNAs corresponding to target genes, gene initiation codons, genomic flanking regions, intron-exon borders, the 5'-end, the 3'-end and the juxta-section between coding and non-coding regions and all segments of RNAs encoding proteins associated with one or more diseases, conditions or mixtures. The antisense oligonucleotides may be derived from sequences AAX5272-74. These multiple target oligonucleotides (specifically AAX55180-271) can be used for the antisense treatment of
   psoriasis, non-hepatic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Antisense oligonucleotide; multiple target; antisense treatment; impaired respiration; inflammation; lung disease; pulmonary vasconstriction; inflammation; allergic rhinitis; acute asthma; allergy, asthma; impaded respiration; respiratory distress syndrome; pain; cystic fibrosis; pulmonary hypertension; pulmonary vasconstriction; emphysema; cohonic obstructive pulmonary disease; leukemis; lymphoma; carcinoma; colon cancer; breast cancer; lung cancer; pancreatic cancer; hepatocellular carcinoma; kidney cancer; melanoma; hepatic metastasis;
                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human adenosine Al receptor antisense oligonucleotide fragment.
                                                                                                                                                                                                                     0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                       2; Indels
cancer, inflammation,
                                                                                                                                                                                   Seguence 17 BP; 2 A; 6 C; 4 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                         Mismatches
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98US-00093972.
 specific RNA, e.g.
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                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                    Query Match
Best Local Similarity
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   caused by
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diseases and conditions. Typical diseases and conditions are those associated with impaired respiration and inflammation, including lung diseases, pulmonary vasoconstriction, inflammation, allergic rhinitis, acute asthma, allergies, asthma, impeded respiration, respiratory distress syndrome, pain, cystic fibrosis, pulmonary hypertension, pulmonary vasoconstriction, emphysema, chronic obstructive pulmonary disease (COPD), and cancer such as leukemias, lymphomas, carcinomas e.g. colon cancer, breast cancer, lung cancer, pancreatic cancer, bepatocellular carcinoma, kidney cancer, melanoma, hepatic metastases, as well as all types of cancers which may metastasize or have metastasized to the lungs, including breast and prostate cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The specification describes antisense oligonucleotides (AAX52869-X55271) directed against at least 2 mRNAs selected from target genes, coding and non-coding regions of RNAs corresponding to target genes, gene initiation codons, genomic flanking regions, intron-exon borders, the 5'-end, the 3'-end and the juxta-section between coding and non-coding regions and all segments of RNAs encoding proteins associated with one or more diseases, conditions or mixtures. The antisense oligonucleotides may be derived
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Antisense oligonucleotide, multiple target, antisense treatment; impaired respiration; inflammation; lung disease; pulmonary vasoconstriction; inflammation; allergic rhinitis; acute asthma; allergy; asthma; impeded respiration; respiratory distress syndrome; pain; cystic fibrosis; pulmonary bypertension; pulmonary vasoconstriction; emphysema; chronic obstructive pulmonary disease; leukemia; lymphoma; carcinoma; colon cancer; breast cancer; lung cancer; pancreatic cancer; hepatocellular carcinoma; kidney cancer; melanoma; hepatic metastasis;
                                                                                                                                                                                                                                                                                                    Gaps
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                                                                                                                                                                                                                                                            Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.9e+02; Matches 15; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                            Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAX52912;
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from sequences AAX55272-74. These multiple target oligonucleotides (specifically AAX5180-271) can be used for the antisense treatment of diseases and conditions are those associated with impaired respiration and inflammation, including lung diseases, pulmonary vasoconstriction, inflammation, allergic rhinitis, acute asthma, allergies, asthma, impeded respiration, respiratory distrass syndrome, pain, cystic fibrosis, pulmonary hypertension, pulmonary vasoconstriction, emphysema, chronic obstructive pulmonary disease (COPD), and cancers such as leukemias, lymphomas, carcinomas e.g. colon cancer, braset cancer, lung cancer, pancreatic cancer, colon cancer, braset cancer, lung cancer, pancreatic cancer, when an all types of cancers which may metastasize or have metastassized to the lungs, including breast and prostate cancer
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               phosphorothioate; impaired respiration; infilammation; allergy; allergy; allergy; infibilor; antiinflammatory; antiallergic; antiasthmatic; cytostatic; analgesic; impaired airway; lung disease; ischaemic condition; pulmonary vasoconstriction; asthma; respiratory distress syndrome; pain; cystic fibrosis; emphysema; pulmonary hypertension; chronic obstructive pulmonary disease; COPD; cancer; leukaemis; lymphoma; carcinoma; metastasis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New antisense oligonucleotides useful for treating e.g. pulmonary vasoconstruction, inflammation, allergies, asthma, hypertension, bronchitis, emphysema, respiratory distress syndrome, ischemia or
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Low adenosine antisense oligonucleotide SEQ ID NO:920.
                                                                                                                                                                                                                                                                                                                                          Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1530 GCCCAGCCTCTCCCCGC 1546
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impaired airways, including lung disease and diseases whose secondary effects afflict the lungs of a subject. They can be used for treating c.g. ischaemic conditions, pulmonary vasoconstriction, allergies, asthma, impeded respiration, respiratory distress syndrome, pain, cystic fibrosis, pulmonary hypertension, emphysema, chronic obstructive pulmonary disease (COPD), and cancers such as leukaemias, lymphomas, carcinomas, and cancers which may metastasise to the lungs, including breast and prostate cancer. The reduction of the adenosine content of the construction and inflammation. AAA32313 to AAA35312 represent the rolloconstriction and inflammation. AAA32313 to AAA35312 represent the nucleotide sequences given in the sequence listing from the present conclection, which correspond to SEQ ID NO:1 to 2815, and then the last 185 sequences are also called SEQ ID No:1 to 185, but the sequences differ from the previously named sequences. SEQ ID No:1 to 180 (AAA33233 to AAA33992) are specifically claimed ONs from the present invention. N.B. Sequences given in the disclosure of the present invention on match is the sequence given in the disclosure of the present invention on the presence.
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Score 13.8; DB 1; Length 17;
Pred. No. 1.9e+02;
0; Mismatches 2; Indels
                                                        1530 GCCCAGCCTCTCCCCGC 1546
  0.8%;
                                                                        17 GCCCAGCCTGTGCCCGC
                 Best Local Similarity 88.2
Matches 15, Conservative
    Query Match
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Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;

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Gaps

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Low adenosine antisense oligonucleotide SEQ ID NO:44. AAA32356 standard; DNA; 17 BP (first entry) 28-JUL-2000 RESULT 287 AAA32356,

Human, adenosine receptor; low adenosine antisense oligonucleotide; phosphorothioate; impaired respiration; inflammation; allergy; allergy; disease; bronchoconstriction; inhibitor; antiinflammatory; antiallergic; antiasthmatic; cytostatic; analgesic; impaired airway; lung disease; ischaemic condition; pulmonary vasoconstriction; asthma; respiratory distress syndrome; pain; cystic fibrosis; emphysema; pulmonary hypertension; chronic obstructive pulmonary disease; COPD; cancer; leukaemia; lymphoma; carcinoma; metastasis; ss.

Homo sapiens.

WO200009525-A2

24-FEB-2000.

99WO-US017712 98US-0095212P 03-AUG-1999; 03-AUG-1998;

(UYEC-) UNIV EAST CAROLINA.

Nyce JW;

WPI; 2000-205971/18.

New antisense oligonucleotides useful for treating e.g. pulmonary vasoconstruction, inflammation, allergies, asthma, hypertension, bronchitis, emphysema, respiratory distress syndrome, ischemia or

Claim 18; Page 272; 1343pp; English

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The present invention describes a new composition comprising an antisense oligonuclectide (ON) with low adenosine (up to 15%), which targets nucleic acids involved in bronchoconstriction, allegies, and/or inflammation. The ON can have antinflammatory, antiallergic, antiasthmatic, cytostatic and analgesic activities. The compositions are useful for the treatment of diseases associated with inflammation, impaired airways, including lung disease and diseases whose secondary effects afflict the lungs of a subject. They can be used for treating of e.g. isochaemic conditions, pulmonary vasconstriction, allergies, asthma, impeded respiration, respiratory described on allergies, asthma, impeded respiration, respiratory described on a such as leukamias, lumphomas, carcinomas, and cancers which may metastasise to the lungs, including breast and prostate cancer. The reduction of the adenosine content of the reactions and another which activates adenosine receptors causing bronchoconstriction and inflammation. AAA32313 to AAA35312 represent the invention, which correspond to SEQ ID NO:1 to 185, but the sequences differ invention, which correspond to SEQ ID NO:1 to 185, but the sequences of from the present invention. N B. Sequences given in the disclosure of the present invention. N B. Sequences given in the disclosure of the present invention on the sequence of the present invention. N B. Sequences given in the disclosure of the present invention. N B. Sequences given in the disclosure of the present invention. He sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Hepatitis C virus, HCV, antisense oligonucleotide, hepatotropic, ss; anti-inflammatory, translation inhibition, HCV infection, virucide.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
tve 0; Mismatches 2; Indels
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Best Local Similarity 88.2 Matches 15; Conservative
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invention relates to HCV antisense oligonucleotides, and also for a vector comprising a nucleotide sequence which is transcribed in an animal cell to generate an antisense oligonucleotide. The oligonucleotides have virucide, hepatotropic and anti-inflammatory activity, and are useful for treating HCV infection by inhibiting translation of type I-V HCV RNA. Pappatitis C virus is a positive strand RNA virus, and is the major causative agent of post-transflation hepatitis. Persistent HCV infection can lead to chronic hepatitis, cirrhosis, and hepatocellular carcinoma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention describes a pharmaceutical composition, comprising at least one agent (I) that prevents, alleviates and/or inhibits adenosine-mediated cardiopulmonary and/or renal damage and/or failure.
(I) is an adenosine Aza receptor agonist (Ia), or an oligonucleotide (Ib), containing less than 15% adenosine (A), that is antisense to target genes or corresponding RNA, to genomic flanking regions (i.e. 5' or 3' ends or segments between coding and non-coding sequences), or to all segments of mRNA encoding the adenosine Al, AZa, AZb or A3 receptors, and has Al, AZb or A3 agonist activity or AZa antagonist activity or Aza antagonist activity of para antagonist activity of para antagonist activity at this receptor). (I) may be a mixture of (Ia) and optionally also contains one or more surfactants. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; adenosine Al receptor; antisense oligonucleotide; hypoxia; adenosine A2a receptor; adenosine Ab receptor; adenosine A3 receptor; phosphorothioate; cardiopulmonary failure; renal failure; ischaemia; endotoxin release; ARDS; acute respiratory distress syndrome; cytoprotective; anti-allergic; anti-inflammatory; anti-hypoxic; supraventricular tachycardia; allergic rhinitis; acute inflammation; chronic obstructive pulmonary disease; ss.
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                                                                                                                                                                                                                    Score 13.8; DB 1; Length 17; Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                             2; Indels
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98US-00093972.
98US-0088657P.
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Best Local Similarity 88.29
Matches 15; Conservative
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compositions are used to prevent, alleviate and/or treat adenosine receptor-mediated cardiac, lung and/or renal damage or failure (particularily where associated with ischaemia, toxin release and/or administration of drugs or imaging agents, e.g. adenosine for treating supraventricular tachycardia); (adult) respiratory distress syndrome (e.g. associated with sepsis); allergic rhinitis; chronic obstructive pulmonary disease, cardiopulmonary hypoxia associated with administration of stress-test agents, particularly where such conditions are associated with acute inflammation. AAA02717, AAA02719, AAA02721 and AAA02723 to AAA03715 represent specifically claimed phosphorothioate antisense andisonolectides for use in the composition of the present invention. AAA02712 and AAA02712 and AAA02722 and AAA02716 to AAA03710 represent other phosphorothioate oligonucleotides used in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present invention describes a pharmaceutical composition, comprising at least one agent (I) that prevents, alleviates and/or inhibits defences in-embilities and encount of a manage and/or failure. (I) is an adenosine Aza receptor agonist (Ia), or an oligonucleotide (Ib), containing less than 15% adenosine (A), that is antisense to target
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; adenosine Al receptor; antisense oligonucleotide; hypoxia; adenosine Aza receptor; adenosine Ab receptor; adenosine Ab receptor; phosphorothioate; cardiopulmonary failure; renal failure; ischaemia; endotoxin release; ARDS; acute respiratory distress syndrome; cytoprotective; anti-allergic; anti-inflammatory; anti-hypoxic; aupraventricular tachycardia; allergic rhinitis; acute inflammation; chronic obstructive pulmonary disease; 88.
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18.2%; Pred. No. 1.9e+02;
ve 0; Mismatches 2; Indels
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98US-00093972.
98US-0088657P.
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hes 15; Conservative
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                                                                                                                                                                                                                                                        present invention
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                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 290
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAA03660/
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Claim 14; Page 120; 1592pp; English.

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genes or corresponding RNA, to genomic flanking regions (i.e. 5' or 3' ends or segments between coding and non-coding sequences), or to all segments of mRNA encoding the adenosine A1, A2a, A2b or A3 receptors, and has A1, A2b or A3 agonist activity or A2a antagonist activity (or at least no agonist activity or A2a antagonist activity (or at least no agonist activity at this receptor). (I) may be a mixture of (Ia) and (Ib), and optionally also contains one or more surfactants. The compositions are used to prevent, alleviate and/or treat adenosine receptor-mediated cardiac, lung and/or renal damage or failure receptor-mediated cardiac, lung and/or renal damage or failure (particularly where associated with ischaemia, toxin release and/or administration of drugs or imaging agents, e.g. adenosine for treating supraventricular tachycardia); (adult) respiratory distress syndrome (e.g. associated with sepsis); allergic rhinitis; chronic obstructive pulmonary hypoxia associated with administration of stress-test agents, particularly where such conditions are associated with acute inflammation. AAA02717, AAA02719, AAA02721 and AAA02721 to AAA03715 represent specifically claimed phosphorothioate antisense cligonucleotides for use in the composition of the present invention. AAA02718, AAA02722 and AAA03716 represent other phosphorothioate oligonucleotides used in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      present invention
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Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;

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                                      0; Gaps
0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
iive 0; Mismatches 2; Indels
Query Match
Best Local Similarity 88.2'
Matches 15; Conservative
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1530 GCCCAGCCTCTCCCCGC 1546 17 GCCCAGCCTGTGCCCGC ઠે 셤

AAF19353 standard; DNA; 17 AAF19353; RESULT 291 AAF19353,

B

14-MAR-2001 (first entry)

Human adenosine Al receptor polynucleotide fragment #920.

human, airway disorder; bronchoconstriction; Iung inflammation; surfactant depletion; respiratory; bronchodilator; antiinflammatory; immunosuppressive, antiasthmatic; analgasic; hypotensive; cytostatic; respiratory obstruction; pulmonary obstruction; impeded respiration; surfactant hypoproduction; pulmonary vasoconstriction; asthma; RDS; pulmonary hypotrosis; allergic rinitis; pulmonary hypotrosis; analgasic rinitis; chinitis; chinically hypotrosin; emphysema; pulmonary transplantation rejection; chronic obstructive pulmonary disease; pulmonary infection; bronchitis; Low adenosine antisense oligonucleotide; phosphorothioate; allergy; cancer; ss.

Homo sapiens.

WO200062736-A2.

26-OCT-2000

24-MAR-2000; 2000WO-US008020

99US-0127958P 06-APR-1999;

EAST CAROLINA. . ₹ UYEC-) UNIV NYCE/) NYCE

Nyce JW;

WPI; 2000-679539/66.

Low adenosine (A) content antisense oligonucleotides which do not trigger adenosine receptors during metabolism, useful e.g. for treating cancers and respiratory obstructions.

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the present invention describes low accensive, (A) connect antibeense oligonucleotides and compositions (I) comprising them. In the antisense coligonucleotides and compositions (I) comprising them. In the antisense oligonucleotides the A is replaced by a 'Universal' or alternative base. (I) can have respiratory, bronchodilator, antiinflammatory, analgebic, immunosuppressive, antisethmatic, hypotensive and cytostatic activities. The antisense oligonucleotides and (I) can be used to down-regulate the expression and or activity of target polypeptides associated with classic and transmitters, transcription factors, immunoglobulins and antibodies, antibody receptors, cytokines and activating peptide factors and transmitters, transcription factors, chemokines, endogenously produced specific and non-specific enzymes, binding proteins, adhesion molecules and their receptors, cytokines and chemokine receptors, adenosine receptors, bradykinin receptors, central creaptors, adenosine receptors, bradykinin receptors, central creaptors, defensins, growth factors and non-nervous system peptide creeptors, defensins, growth factors, vasoactive peptides and creeptors, contains, growth factors, vasoactive peptides and creeptors, binding proteins and malignancy associated proteins. The antisense oligonucleotides may be used in this way to treat disorders including respiratory obstruction (especially pulmonary obstruction and/or bronchoconstriction) and/or lung inflammation, allergy diss and/or surfactant hypoproduction which are associated with a disease or condition selected from pulmonary vasoconstriction, inflammation, confactors, branching proteins, authoric obstructive pulmonary disease (CPDD), confactors, asthma, impeded respiratory obstructive obstructive of the pulmonary disease (CPDD), confactors, asthma, impeded respiratory obstructive pulmonary disease (CPDD), confactors, asthma, impeded respiratory obstructive obstructive of pulmonary disease or condition emphysema, changed or espiratory obstruction, pulmonary disease 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                    content antisense
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0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.96+02;
tive 0; Mismatches 2; Indels
                                                                                    The present invention describes low adenosine (A)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 88.2
Matches 15, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    the present invention
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AAF18477 standard; DNA; 17 BP AAF18477; AAF18477/c

RESULT 292

14-MAR-2001 (first entry)

Human adenosine Al receptor polynucleotide fragment #44.

Low adenosine antisense oligonucleotide; phosphorothioate; allergy; human; airway disorder; bronchoconstriction; lung inflammation; businfactuat depletion; respiratory; bronchodilator; antiinflammatory; immunosuppressive; antiasthmatic; analgesic; hypotensive; cytostatic; respiratory obstruction; pulmonary obstruction; impeded respiration; surfactant hypoproduction; pulmonary vasconstriction, asthma; RDS; respiratory distress syndrome; pain; cystic fibrosis; allergic rhinitis; pulmonary hypertension; emphysema; pain; cystic fibrosis; allergic rhinitis; chronic obstructive pulmonary disease; pulmonary infection; bronchitis; cancer; ss.

Homo sapiens.

WO200062736-A2.

26-OCT-2000.

24-MAR-2000; 2000WO-US008020.

Zwick M, Pavco P, Mcswiggen J;

99US-0129390P

(RIBO-) RIBOZYME PHARM INC.

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Inhibition of the repressors removes prevents inhibition (and consequently increases expression of) genes involved in the production of erythropoietin, granulocyte colony stimulating factor protein and
                                                                                                                                                                                                       The present invention relates to enzymatic and antisense nucleic acid molecules that act as inhibitors of the expression of repressor genes encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription factor gene, IRF-2 and/or the GAAT Displacement Protein (CDP).
                                                                                                                                  Enzymatic and antisense nucleic acid inhibition of repressor genes, useful for producing e.g. granulocyte colony stimulating factor protein, interferon alpha and erythropoietin.
                                                                                                                                                                                   Claim 37; Page 77; 164pp; English.
                        11-APR-2000; 2000WO-US009721
                                                                                                                WPI; 2000-647423/62.
                                                                                                                                                                                                                                                                                        interferon alpha
                                               12-APR-1999;
  19-OCT-2000.
                                                                                          Blatt L,
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                                                                                                   Low adenosine (A) content antisense oligonucleotides which do not trigger adenosine receptors during metabolism, useful e.g. for treating cancers
                                                                                                                                                                                                                                                                                                                                                                                                                                                 hypertension, emphysema, chronic obstructive pulmonary disease (COPD), pulmonary transplancerion rejection, pulmonary infections, bronchitis, and/or cancer. AAFIS434 to AAF21543 represent human polynucleotide fragments and antisense oligonucleotides used in the exemplification of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               erythropoietin; granulocyte colony stimulating factor;
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0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;
                                                                                                                                                Claim 14; Page 106; 1592pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hammerhead ribozyme substrate #942.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1530 GCCCAGCCTCTCCCCGC 1546
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAF02647 standard; DNA; 17 BP.
                                                                                                                          and respiratory obstructions.
 99US-0127958P.
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                      (UYEC-) UNIV EAST CAROLINA (NYCE/) NYCE J W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16-FEB-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           interferon alpha; ss.
                                                                             WPI; 2000-679539/66.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200061729-A2
06-APR-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ribozyme;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAF02647;
                                                       Nyce JW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 293
X B X S X & & X B X B X G X G X G
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                                                                                                                                                                                                                                                                                                                                                                             Human; 88; antisense therapy; cytostatic; antiinflammatory; haemostatic; cerebroprotective; noctropic; neuroprotective; antiparkinsonian; muscular; CD20; neurite growth inhibitor gene; NOGO; hammerhead ribozyme; DNAzyme; inozyme; G-cleaver; amberzyme; inizyme; leukaemia; B-cell lymphoma; non-Hodgkin's lymphoma; NHL; lymphocytic leukaemia; human immunodeficiency virus; HTV associated NHL; mantle-cell lymphoma; MCL; immunocytoma; IMC; immunocytoma; IMC; immune thrombocytopaenia; stroke; dementia; inflammatory arthropathy; central nervous system injury; cerebrovascular accident; CVA; Alzheimer's disease; multiple sclerosis; chemotherapy-induced neuropathy; amyotrophic lateral sclerosis; ALS; Parkinson's disease; ataxia; Huntington's disease; creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease.
                                                                         Gaps
                                                                         ö
                                   0.8%; Score 13.8; DB 1; Length 17;
18.2%; Pred. No. 1.9e+02;
ve 0; Mismatches 2; Indels
Sequence 17 BP; 4 A; 6 C; 3 G; 4 T; 0 U; 0 Other;
                                                                                                           116 CCAGACGGTCTCAGACA 132
                                                                                                                                  1 CCAGACGTTCTCAGTCA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11-FEB-2000; 2000US-0181797P.
28-FEB-2000; 2000US-0185516P.
06-MAR-2000; 2000US-0187128P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     09-FEB-2001; 2001WO-US004273
                                                    88.2%;
                                                                                                                                                                                                                                     ABK01885 standard; RNA; 17
                                                                                                                                                                                                                                                                                                           (first entry)
                                                                       15; Conservative
                                                                                                                                                                                                                                                                                                                                                 Human NOGO Zinzyme #207.
                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200159103-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens
                                                                                                                                                                                                                                                                                                             12-MAR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16-AUG-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic
                                                                                                                                                                                                                                                                         ABK01885;
                                     Query Match
                                                                         datches
                                                                                                                                                                                                    RESULT 294
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The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down cregulates expression of a neurite growth inhibitor gene (NGGO). The nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a nucleic acids may be enzymatic nucleic acid cleaving an RNA molecule DNAZYME) an Inozyme (an endolytic nucleic acid cleaving an RNA molecule possessing an NCH motif), a G-cleaver (cleaving RNA with a NYN motif) proma an an NCH motif), a G-cleaver (cleaving RNA with a NYN motif), a zinzyme (cleaving RNA with a NGN triplet), a zinzyme (cleaving RNA with a NGN triplet), a zinzyme (cleaving RNA cyf) of CD20 in the presence of a divalent cation that is preferably Mg^2^+.

CC chretapies. In particular, the CD20 targetting nucleic acid may be used to therapies. In particular, the CD20 targetting nucleic acid may be used to treat lymphoma leukaemia, B-call lymphoma, low-grade or follicular non-thogkin's lymphoma immunodeficiency virus) associated NHL, lymphoma, ctreat lymphoma immunodeficiency virus) associated NHL, lymphoma, low-grade or follicular non-thogkin's lymphoma immunodeficiency virus) associated NHL, lymphoma, correspence of a divalent cation that is preferably Mg^2+. Furthermore, the presence of a divalent cation that is preferably Mg^2+. Furthermore, the created may be contacted with a cell to reduce NOGO activity of the coll and treat a patient having a condition associated with the level of coll and treat a patient having a condition associated with the level of therapies. In particular, the NOGO-targetting nucleic acid may be contacted with a cell to reduce NOGO activity of the condition as stroke). Alzhahmer's disease, dementa, multiple sclerosis (Ms), chemotherapy-induced neuropathy, and/or chem cell accepted to the modulation of NoGO expression. The present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
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                                                                                                                                                                                                              Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and central nervous system injury.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  the modulation of NOGO expression. The present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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0
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Pred. No. 1.9e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 17 BP; 8 A; 1 C; 3 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      sequence is a zinzyme molecule of the invention
                                                                                                                           Chowrira BM;
                                                                                                                                                                                                                                                                                                                            Claim 88; Page 99; 200pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1621 CAATAAACTGTCTTGT 1637
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABK01053 standard; RNA; 17
                  RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12-MAR-2002 (first entry)
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Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human NOGO Inozyme #323.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  states which respond to
                                                                                                                           Mcswiggen J,
                                                         MCSWIGGEN J.
CHOWRIRA B M.
                                                                                                                                                                     WPI; 2001-607195/69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABK01053;
                                                                                                                              Blatt L,
                  (RIBO-)
(BLAT/)
                                                             (MCSM/)
                                                                                CHOM/)
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DNAzyme; inozyme; G-cleaver; amberzyme; zinzyme; lymphoma; leukaemia; b-call lymphoma; non-Hodgkin's lymphoma; NHL; lymphocytic leukaemia; human immundeficiency virus; HIV associated NHL; mantle-cell lymphoma; MCL; immunocytoma; IMC; immune thrombocytopaenia; stroke; dementia; inflammatory arthropathy; central nervous system injury; cerebrovascular accident; CVA; Alzheimer's disease; multiple sclerosis; chemotherapy-induced neuropathy; amyotrophic lateral sclerosis; ALS; Parkinson's disease; ataxia; Huntington's disease; Creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Chowrira BM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          central nervous system injury.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11-FEB-2000; 2000US-0181797P.
28-FEB-2000; 2000US-0185516P.
06-MAR-2000; 2000US-0187128P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (CHOW/) CHOWRIRA B M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MCSWIGGEN J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-607195/69.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO200159103-A2.
                                                                                                                                                                                                                                                                                                                                                                      sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16-AUG-2001.
                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Blatt L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (BLAT/)
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Claim 88; Page 83; 200pp; English.

The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down regulates expression of a neurite growth inhibitor gene (NOGO). The nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a nucleic acids may be enzymatic nucleic acid cleaving a an RNA molecule possessing an NCH motif), a G-cleaver (cleaving RNA with a NVM motif) propersion of a divalent cation that is preferably Mg^2, that a region the presence of a divalent cation that is preferably Mg^2, the CD20 in the presence of a divalent cation that is preferably Mg^2, the cell and treat a patient having a condition associated with the level of CD20. The treatment may further comprise the use of one or more therapies. In particular, the CD20 targetting nucleic acid may be used to treat lymphoma, leukaemia, but (Numan immunodeficiency virus) associated NHL, lymphocytic leukaemia, HIV (human immunodeficiency virus) associated NHL, lymphocytic lukaemia, HIV (human immunodeficiency virus) associated NHL, lymphocytic lukaemia, HIV (human immunodeficiency virus) associated in the improper catid may be contacted with a cell lymphocytic lymphocytic and inflammatory arthropathy. The NOGO gene in the cargetting nucleic acid is used to cleave RNA of the NOGO gene in the cargetting nucleic acid may be contacted with a cell to reduce NOGO activity of the contacted with a cell to reduce NOGO activity of the contacted with a cell to reduce NOGO activity of the contacted with a cell to reduce NOGO. The treatment may further comprise the use of one or more contacted with a cell to reduce NOGO activity of the case of a divalent system (CNS) injury and cerebrovascular accident (CNA, stroke). Alzheimer's disease, dementia, multiple sclerosis (MS), chemotherapy-induced neuropathy, and/or other neurodegenerative disease, ataxia, Huntington's disease, cerebro of the invention of NOGO expression. The present sequence is an inozyme of

Sequence 17 BP; 8 A; 2 C; 2 G; 0 T; 5 U; 0 Other;

CACTATTTGCCCTTCAG 17

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The patent discloses obese receptor (ODR) proteins and nucleic acids encoding them. ODR protein participates in the regulation of mammalian body weight. The invention also relates to a method of identifying therapeutic compounds for the treatment of a body weight disorder. The method involves contacting a cell that expresses a mammalian ODR protein, and ANZ protein and a mammalian SOCS-1 protein with a test compound. The method is useful for identifying compounds which modulate ODR gene expression and gene product activity, which can be used as agents to control body weight particularly as therapeutic agents for treating body weight disorders, including obesity, cachexia and anorexia. The present DNA sequence is a forward PCR primer which is used for amplifying mouse
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Identifying compounds for treating body weight disorder, e.g. obesity, anorexia or cachexia, comprises contacting cell expressing mammalian Ob receptor protein, JAK2 protein and mammalian SOCS-1 protein with test
                                                                                                                                                                                                                                                                                       Mouse; obese receptor; ObR; anorectic; anabolic; body weight disorder; therapy; obesity; cachexia; anorexia; PCR primer; ss.
                                 Gaps
                               ö
0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
iive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                            genomic DNA amplifying forward PCR primer #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Tepper RI, Culpepper JA, White DW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Seguence 17 BP; 3 A; 6 C; 2 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example; Col 62; 109pp; English.
                                                            1622 AATAAAACTGTCTTGTG 1638
                                                                                                                                                                                                                                                                                                                                                                                                                                                           95US-00562663.
95US-00566428.
95US-00569488.
95US-00591153.
96US-00599455.
96US-00638524.
                                                                                                                                                                   AAD20527 standard; DNA; 17 BP.
                                                                                 ATTAAAACTGTCTTTTG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                 98US-00069781
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (MILL-) MILLENNIUM PHARM INC
                                                                                                                                                                                                                               (first entry)
                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2001-624489/72.
               Best Local Similarity
Matches 15, Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ObR genomic DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tartaglia LA,
                                                                                                                                                                                                                                                                                                                                                                     US6287782-B1
                                                                                                                                                                                                                                                                                                                                                                                                                                 29-APR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        28-MAY-1997;
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03-SEP-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            22-JAN-1996
                                                                                                                                                                                                                                                              Mouse ObR
                                                                                        17
                                                                                                                                                                                                 AAD20527;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     compound.
   Query Match
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                                                                                                                                       RESULT 296
                                                                                                                                                     AAD20527
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The patent discloses obese receptor (ODR) proteins and nucleic acids encoding them. OBR protein participates in the regulation of mammalian body weight. The invention also relates to a method of identifying therapeutic compounds for the treatment of a body weight disorder. The method involves contacting a cell that expresses a mammalian ODR protein, a JAKZ protein and a mammalian SOCS-I protein with a test compound. The method is useful for identifying compounds which modulate ObR gene expression and gene product activity, which can be used as agents to control body weight particularly as therapeutic agents for treating body weight disorders, including obesity, cachexia and anorexia. The present DNA sequence is a forward PCR primer which is used for amplifying mouse fami5312 ObR CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Identifying compounds for treating body weight disorder, e.g. obesity, anorexia or cachexia, comprises contacting cell expressing mammalian Ob receptor protein, JAK2 protein and mammalian SOCS-1 protein with test
                                                                                                                                  Mouse, obese receptor, ObR, anorectic, anabolic, body weight disorder; therapy, obesity, cachexia, anorexia, PCR primer; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.8%; Score 13.8; DB 1; Length 17;
18.2%; Pred. No. 1.9e+02;
ve 0; Mismatches 2; Indels
                                                                                                      Mouse famj5312 ObR cDNA amplifying forward PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               White DW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 3 A; 6 C; 2 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Tepper RI, Culpepper JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example; Col 63; 109pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 660 CACTACCTGCCCTTCAG 676
            BP
                                                                                                                                                                                                                                                                                                       95US-00562663.
95US-00566622.
95US-00569485.
95US-00583153.
96US-00583153.
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                                                                                                                                                                                                                                                                            98US-00069781.
                                                                                                                                                                                                                                                                                                                                                                                                                                  97US-00864564
                                                                                                                                                                                                                                                                                                                                                                                                                                                              (MILL-) MILLENNIUM PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                   96US-00638524
                                                                                                                                                                                                                                                                                                                                                                                                                   96US-00708123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    88.2%;
           AAD20529 standard; DNA; 17
                                                                        (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Tartaglia LA,
                                                                                                                                                                                                                                                                                                                                                                                   22-JAN-1996;
26-APR-1996;
03-SEP-1996;
                                                                        03-JAN-2002
                                                                                                                                                                                                               US6287782-B1
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08-DEC-1995;
                                                                                                                                                                                  Mus spretus.
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28-DEC-1995;
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                                         AAD20529;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       compound.
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Gaps

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0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02; tive 0; Mismatches 2; Indels

Query Match
Best Local Similarity 88.2 Matches 15, Conservative

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660 CACTACCTGCCCTTCAG 676

Ellis JH;

AAF79852

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The present invention relates to oligonucleotides that downregulate the expression of human Grb2-related with Insert Domain (GRID) gene. GRID is a T-cell co-stimulatory dagptor protein. The oligonucleotides are useful for modulating the expression of GRID, to treat conditions such as tissue/graft rejection and leukaemia. The oligonucleotides can also be administered in conjunction with other therapies such as radiation, chemotherapy and cyclosporin treatment. The present oligonucleotide was used to illustrate the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mouse, obese receptor; ObR; receptor; body weight disorder; obesity; cachexia; anorexia; anorectic; anabolic; immunomodulator; PCR; primer;
                                                                                                                                                                                                                                                                  New nucleic acid(s) for regulating the Grb2-related with Insert I
(GRID) gene comprises using antisense and enzymatic nucleic acid
molecules such as hammerhead ribozymes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mouse Ob receptor (ObR) gene amplifying forward PCR primer #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02;
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                                                                                                                                                                                                      Hamblin PA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 3 A; 4 C; 8 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                      Mcswiggen JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
                                                                                                                                                                                                                                                                                                                                       Claim 4; Page 67; 108pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1539 CTCCCCGCTCTGGATCC 1555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BP
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95US-00569485.
95US-00570142.
95US-00583153.
96US-00638524.
96US-00708123.
                                                                               23-FEB-2001; 2001WO-US005957.
                                                                                                                  24-FEB-2000; 2000US-0184594P.
                                                                                                                                                                                                  Von Carlowitz I,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CTCCCCGCTGTGGAACC 1
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                                                                                                                                                (RIBO-) RIBOZYME PHARM INC (GLAX ) GLAXO GROUP LID.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
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                                                                                                                                                                                                                                    WPI; 2001-550088/61.
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les 15; Conserv
                 WO200162911-A2
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22-JAN-1996;
26-APR-1996;
03-SEP-1996;
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08-DEC-1995;
11-DEC-1995;
                                                 30-AUG-2001
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                                                                                                                                                                                                    Jarvis T,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel duplex useful in sequencing reactions, comprising an oligonucleotide primer covalently coupled to a chromophore or fluorophore so as to allow chain extension by a polymerase, and a template.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention describes a duplex comprising a template and a primer joined to a chromophore or fluorophore to enable chain extension by a polymerase. Also described is a method of sequencing a nucleic acid using said primer, where the chromophore or fluorophore is used to determine the sequence of the oligonucleotide. This is useful in sequence analysis. The present sequence was used to demonstrate the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human, Grb2-related with Insert Domain, GRID, T-cell;
co-stimulatory adaptor protein; tissue rejection; graft rejection;
leukaemia; cytostatic; 89.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                             DNA sequencing; sequence analysis; chromophore; fluorophore; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Connell
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Pred. No. 1.9e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human GRID NCH ribozyme substrate oligonucleotide #261.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Hunkapiller MW, Hunkapiller TJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 17 BP; 5 A; 4 C; 4 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    (CALY ) CALIFORNIA INST OF TECHNOLOGY.
                                                                                                             DNA sequencing method DNA fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure, Fig 1A; 15pp; English
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85US-00689013.
85US-00722742.
87US-00106232.
            BP.
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            AAF79852 standard; DNA; 17
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Best Local Similarity
Matches 15; Conserv
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11-APR-1985;
07-OCT-1987;
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12-JUN-1992;
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                                                                             30-MAY-2001
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                                                                                                                                                                               Synthetic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             invention
                                          AAF79852;
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Tartaglia LA,
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08-DEC-1995;
11-DEC-1995;
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                                                                                                                                        The present invention relates to novel obese (Ob) receptor (ObR) proteins and polynucleotides encoding them. The invention relates to a method of identifying candidate therapeutic agents to treat body weight disorder. The method involves providing a cell which expresses a mammalian ObR on the cell surface, binds leptin, the cell harbouring a reporter construct comprising a sequence encoding a reporter protein, contacting the cell with a test compound and measuring the expression of the reporter protein in the presence of the test compound. The method is useful to identify an agent, preferably a small molecule or antibody for the treatment of body seight disorders such as obesity, cachexia, and anorexia. The present DNA sequence is a PCR primer which is used for amplifying mouse ObR genomic DNA. This sequence is used in the exemplification of the invention
                                                               Identifying candidate therapeutic agents for treating body weight disorders, comprises contacting test compound with cell expressing mammalian obese receptor and reporter protein, and measuring expression
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mouse, obese receptor; ObR; receptor; body weight disorder; obesity; cachexia; anorexia; anorectic; anabolic; immunomodulator; PCR; primer;
                                                                                                                                                                                                                                                                                                                                     Gaps
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0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mouse Ob receptor (ObR) gene amplifying forward PCR primer #3.
                                                                                                                                                                                                                                                                                                            0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
Ive 0; Mismatches 2; Indels
                     White DW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Tepper RI, Culpepper JA, White DW;
                                                                                                                                                                                                                                                                                      Sequence 17 BP; 3 A; 6 C; 2 G; 6 T; 0 U; 0 Other;
                     Culpepper JA,
                                                                                                                      Example; Col 119; 110pp; English.
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95US-00566622.
95US-00569485.
95US-00570142.
95US-00583153.
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(MILL-) MILLENNIUM PHARM INC.
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                                                                                                                                                                                                                                                                                                                    Local Similarity 88.2%;
les 15; Conservative
                                                                                                                                                                                                                                                                                                                                                        660 CACTACCTGCCCTTCAG
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                     Tepper RI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                reporter protein.
                                          WPI; 2002-535640/57
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                     Tartaglia LA,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAD41484;
                                                                                                                                                                                                                                                                                                            Query Match
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Matches
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                                                                                                                                                                                                                                                The present invention relates to novel obese (0b) receptor (ObR) proteins and polynucleotides encoding them. The invention relates to a method of identifying candidate therapeuitc agents to treat body weight disorder. The method involves providing a cell which expresses a mammalian ObR on the cell surface, binds leptin, the cell harbouring a reporter construct comprising a sequence encoding a reporter protein, contacting the cell with a test compound and measuring the expression of the reporter protein in the presence of the test compound. The method is useful to identify an agent, preferably a small molecule or antibody for the treatment of body weight disorders such as obesity, cachexia, and anorexia. The present DNA sequence is a PCR primar which is used for amplifying mouse ObR genomic DNA. This sequence is used in the exemplification of the invention
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Identifying candidate therapeutic agents for treating body weight disorders, comprises contacting test compound with cell expressing mammalian obese receptor and reporter protein, and measuring expression
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Pred. No. 1.9e+02;
0; Mismatches 2; Indels
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                                                                                                                                                                                       Example; Col 121; 110pp; English
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95US-00566485.
95US-0050142.
95US-00593153.
96US-00599455.
96US-00639524.
96US-00708123.
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Local Similarity 88.2%;
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                                                                                                                      of reporter protein.
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ABN01903;
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                                                                                                                                                                                                                                         RESULT 304
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           increasing food intake in a mammal having a low body weight disorder suc as anorexia, involves administering to the mammal a soluble polypeptide comprising the extracellular domain of an obesity receptor protein.
                                                    The invention relates to obesity receptor (ODR) protein and its corresponding nucleic acid. The invention also relates to a method for the diagnosis and treatment of body weight disorders. The method is useful for increasing food intake in a mammal having a disorder characterised by low body weight, where the disorder is anorexia, cachexia, acquired immunodeficiency syndrome (AIDS)-related wasting or cancer-related wasting. The present sequence is a PCR primer used for amplifying mouse ODR gene. This sequence is used in the exemplification
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             anorexia; cachexia; acquired immune deficiency syndrome; cytostatic; AIDS-related wasting; cancer-related wasting; metabolic; anti-HIV; immunomodulator; human immunodeficiency virus; mouse; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to obesity receptor (ODR) protein and its corresponding nucleic acid. The invention also relates to a method f
the diagnosis and treatment of body weight disorders. The method is
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  extracellular domain of an obesity receptor protein
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                                                                                                                                                                                                                              Score 13.8; DB 1; Length 17;
Pred. No. 1.9e+02;
0; Mismatches 2; Indels
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                                Example; Col 63; 114pp; English.
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95US-00566622.
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Best Local Similarity 88.2%;
Matches 15; Conservative
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                                                                                                                                                                            the invention
       comprising the
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04-DEC-1995;
08-DEC-1995;
11-DEC-1995;
28-DEC-1995;
22-JAN-1996;
26-APR-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1
                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
                                                                                                                                                             Gaps
useful for increasing food intake in a mammal having a disorder characterised by low body weight, where the disorder is anorexia, cachaxia, acquired immunodeficiency syndrome (AIDS)-related wasting. Cancer-related wasting. The present sequence is a PCR primer used fo amplifying mouse ObR gene
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                                                                                                                           Score 13.8; DB 1; Length 17; Pred. No. 1.9e+02; 0; Mismatches 2; Indels
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                                                                                               Sequence 17 BP; 3 A; 6 C; 2 G; 6 T; 0 U; 0 Other;
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30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WG-US000670.
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2001WO-US000661.
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2001WO-US000664
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Best Local Similarity 88.2
Matches 15; Conservative
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30-JAN-2001;
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04-OCT-2000;
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expressing the proteins the HobMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as specific blomolecule capture probes for surface-enhanced laser description ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The polymucleotide sequences encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
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protein variants having desired phenotypic improvements, and for
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                                                                                                                                                                                                                                                                                                                             0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
ve 0; Mismatches 2; Indels
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30-JAN-2001; 2001WO-US000668.
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15; Conservative
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2001WO-US000662
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The present invention describes a human genome-derived myosin-like

C protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1

C c can be used in gene therapy and vaccine production. The hGDMLP-1

C nucleic acids can be used as probes to detect, characterise and quantify

C hGDMLP-1 nucleic acids in samples, as amplification substrates, to

C hGDMLP-1 nucleic acids in samples, as amplification substrates, to

C provide initial substrates for the recombinant engineering of hGDMLP-1

C protein variants having desired phenotypic improvements, and for

C c expressing the proteins. The hGDMLP-1 proteins or polypeptides may be

C used as immunospens to raise antibodies that specifically recognise hGDMLP

C used as immunospens to raise antibodies that specifically recognise hGDMLP

C and/or amount specifically of hGDMLP-1 proteins, as specific biomolecule

C and/or amount specifically of hGDMLP-proteins, as specific biomolecule

C capture probes for surface-enhanced laser desorption ionisation, as

C therapeutic supplement in patients having specific deficiency in hGDMLP-1

C production, and in vaccines or for replacement therapy. The

C polynucleotide sequences encoding hGDMLP-1 may be used for diagnosing a

C disorder associated with the expression of hGDMLP-1.

C and skeletal muscle disorders, hGDMLP-1 may be used for chargonouse 22.

The present sequence represents an oligomer used in the screening of the

CC The sequence data for this patent did not form part of the printed

C The sequence data for this patent did not form part of the printed

C Specification, but was obtained in electronic format directly from WIPO

C C The present directly patent did not sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
or as specific blomolecule capture probes for surface-enhanced laser
                   desorption ionization, comprises human myosin-like protein hGDMLP-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 4 A; 3 C; 9 G; 1 T; 0 U; 0 Other;
                                                             Disclosure; SEQ ID NO 7485; 214pp; English.
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2000US-0234687P
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                                                                                                                                            New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
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                                                                                     Shannon ME;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.8%; Score 13.8; DB 1; Length 17; Local Similarity 88.2%; Pred. No. 1.96+02; hes 15; Conservative 0; Mismatches
                                                                                      Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 6 A; 2 C; 6 G; 3 T; 0 U; 0 Other;
                                                                                      Rank DR,
                                                                                                                                                                                                       Disclosure; SEQ ID NO 8568; 214pp; English
                                                                                        Hanzel DK,
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 30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000670.
05-FEB-2001; 2001US-0266860P.
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                                                                                        Gu Y, Ji Y, Penn SG,
                                                                                                                     WPI; 2002-179446/23.
                                                            (AEOM-) AEOMICA INC
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Matches
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The present invention describes a human genome-derived myosin-like protein 1 (h5DMLP-1). The protein and polymucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify concleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 proteins as a standard proteins. The hGDMLP-1 proteins or polypeptides may be expressing the proteins. The hGDMLP-1 proteins or polypeptides may be capture probes to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as the present in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The concentration and skeletal muscle disorders, hGDMLP-1 may be used for diagnosing a clisorders, hGDMLP-1 is localised to chromosome 2.

The present sequence represents an oligomer used in the screening of the CGMGDMLP-1 sequence in the exemplification of the present invention. N.B.

The sequence data for this patent did not form part of the printed capture the present invention. N.B.

The present firp.whpo.int/pub/published_pct_sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
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                                                                                                                                                                                                                                                                                    30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000668.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US0006670.
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2001WO-US000663.
2001WO-US000664.
2001WO-US000665.
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                                                                                                               2001WO-US000661
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                                                                                                   30-JAN-2001; 2
30-JAN-2001; 2
30-JAN-2001; 2
30-JAN-2001; 2
21-SEP-2000; 27-SEP-2000; 304-OCT-2000;
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Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.

Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:9688.

(first entry)

29-MAY-2002

ABN09696;

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ABN09696/c
ID ABN09696 Btandard; DNA; 17 BP.
                            The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids in gene probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polyreptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as specifically recognise hGDMLP-1 proteins, as specific biomolecule and/or amount specifically proteins, as specific biomolecule and/or amount specifically proteins, as specific biomolecule captures probes for surface-enhanced laser description ionication, as theraputic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The concentration and skeletal muscle disorders. hGDMLP-1 may be used for diagnosing a clasorders associated with the expression of hGDMLP-1 in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22.

The present sequence in the exemplification of the present invention. N.B. CThe sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO control of the present directly from will of the control of the present directly from will of the present d
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    skeletal muscle disorder; amplicon; screening; ss.
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30-JAN-2001; 2001WO-US000662.
30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000668.
30-JAN-2001; 2001WO-US000669.
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2000US-0236359P
2000GB-00024263
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                                                                                             WO200192524-A2.
                                                    Homo sapiens
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30-JAN-2001; 2001WO-US000661. 30-JAN-2001; 2001WO-US000662. 30-JAN-2001; 2001WO-US000663.

2000US-0234687P

21-SEP-2000; 27-SEP-2000;

04-OCT-2000;

2000GB-00024263

25-MAY-2001; 2001WO-US016981

WO200192524-A2.

06-DEC-2001.

Homo sapiens

30-JAN-2001; 2001WO-US000668. 30-JAN-2001; 2001WO-US000669. 30-JAN-2001; 2001WO-US000670.

05-FEB-2001; 2001US-0266860P

30-JAN-2001; 2001WO-US000664. 30-JAN-2001; 2001WO-US000665. 30-JAN-2001; 2001WO-US000666. 30-JAN-2001; 2001WO-US000667.

Shannon ME;

Chen W,

Rank DR,

Hanzel DK,

Gu Y, Ji Y, Penn SG, (AEOM-) AEOMICA INC.

WPI; 2002-179446/23.

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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 mucleic acids in gene probes to detect, characterise and quantify hGDMLP-1 mucleic acids in samples, as amplification substrates, to hGDMLP-1 mucleic acids in samples, as amplification substrates, to hGDMLP-1 protein variants having desired phenotypic improvements, and for capressing the proteins. The hGDMLP-1 proteins or polypeptides may be concentration and/or amount specifically of hGDMLP-1 proteins, as specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP-proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The concentration disorders associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to diromosome 22. The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO cat fitp.wipo.int/pub/published_pct_sequence
New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
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                                                                                                                                                                                                                                                         Disclosure; SEQ ID NO 9688; 214pp; English.
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Gaps

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0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02; ve 0; Mismatches 2; Indels

Query Match

Best Local Similarity

88.2%;

Matches

15; Conservative

270 GAAGAAGCCAAGAAGAA 286

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RESULT 309

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                                              2; Indels
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             Score 13.8; DB 1;
Pred. No. 1.9e+02;
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                                              0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        26-MAY-2000; 2000US-0207456P.
21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0234583P.
04-0CT-2000; 2000US-0024263.
30-JAN-2001; 2001WO-US000661.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
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05-FEB-2001; 2001US-0266860P.
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                                                                             92 GGAGAGTGGGCAGGTCC
Query Match
Best Local Similarity 88.2
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production, and in vaccines or for replacement therapy. The polynucleotide sequences encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence in the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequence
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88.2%; Pred. No. 1.9e+02;
ative 0; Mismatches 2; Indels
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2001WO-US000661.
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27-SEP-2000;
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correction wariants having desired phenotypic improvements, and for expressing the proteins. The hcDMLP-1 proteins or polypoptides may be cused as immunogens to raise antibodies that specifically recognise hGDMLP -1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser describtion ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The polynuclectide sequences encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence in the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
1 can be used in gene therapy and vaccine production. The hGDMLP-1 mucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1
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The present invention describes a human genome-derived myosin-like

protein 1 (hGDMLP-1). The protein and polymucleotide sequences of hGDMLP-

compared in gene therapy and vaccine production. The hGDMLP-1

compared acids can be used as probes to detect, characterise and quantify

compared in the compared sequences for the recombinant engineering of hGDMLP-1

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compared in the proteins. The hGDMLP-1 proteins or polypoptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1

compared in probes for surface-enhanced laser desorption ionisation, as the represent in particular having specific deficiency in hGDMLP-1

compared associated with the expression of hGDMLP-1, in particular heart of disorder associated with the expression of hGDMLP-1, in particular heart compared the sequence encoding hGDMLP-1 is localised to chromosome 2.

The present sequence represents an obligamer used in the screening of the hGDMLP-1 sequence in the exemplification of the present invention. N.B.

The sequence data for this patent did not form part of the printed manner of the printed manner of the present invention. N.B.

The sequence data for this patent did not form part of the printed manner of the present invention.
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                           WPI; 2002-179446/23.
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30-JAN-2001;
30-JAN-2001;
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27-SEP-2000;
04-OCT-2000;
30-JAN-2001;
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ABN08669
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New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; SEQ ID NO 2643; 214pp; English.
                                                                                                                                                                       2001WO-US000662.
2001WO-US000663.
2001WO-US000664.
                                                                                                          2000US-0236359P.
2000GB-00024263.
2001WO-US000661.
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2001WO-US000667.
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                        25-MAY-2001; 2001WO-US016981
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protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1
concluded in gene therapy and vaccine production. The hGDMLP-1
concleic acids can be used as probes to detect, characterise and quantify
concleid initial substrates for the recombinant engineering of hGDMLP-1
conclein variants having desired phenotypic improvements, and for
concein variants having desired phenotypic improvements, and for
concein variants having desired phenotypic improvements, and for
concein variants proteins. The hGDMLP-1 proteins or polypeptides may be
consed as immunospens to raise antibodies that specifically recognise hGDMLP
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consederation, and in vaccines of how how specific deficiency in hGDMLP-1
consederation, and in vaccines or for replacement therapy. The
conduction, and in vaccines or for replacement therapy. The
conduction, and in vaccines or for replacement therapy. The
colymucleotide sequences encoding hGDMLP-1 may be used for diagnosing a
clisorder associated with the expression of hGDMLP-1 caquence in the exemplification of the present sequence in the exemplification of the present sequence data for this patent did not form part of the printed
consequence data for this patent did not form part of the printed
specification, but was obtained in electronic format directly from WIPO
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muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease;
skeletal muscle disorder; amplicon; screening; ss.
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18.2%; Pred. No. 1.9e+02;
ve 0; Mismatches 2; Indels
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                                                                                                                                                                                                                  Rank DR,
                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; SEQ ID NO 8661; 214pp; English.
                                                                                                                                                                                                                  Hanzel DK,
               30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000668.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000670.
05-FEB-2001; 2001US-0266860P.
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2001WO-US000665
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Best Local Similarity 88.2%;
Marches 15; Conservative
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                                                                                                                                                                       (AEOM-) AEOMICA INC.
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Shannon ME;

Chen W,

Rank DR,

Hanzel DK,

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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used as probes to detect, characterise and quantify nucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as specific ally recognise hGDMLP-1 proteins, as specific blomolecule add/or amount specifically of hGDMLP proteins, as specific blomolecule capture probes for surface-enhanced laser descrition ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production with the expression of hGDMLP-1 may be used for diagnosing a disorder sequence in the expression of hGDMLP-1 and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22.

The present sequence represents an oligomer used in the screening of the present invention. N.B.

The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO XXX
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88.2%; Pred. No. 1.9e+02;
iive 0; Mismatches 2; Indels
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Best Local Similarity 88.2
Matches 15; Conservative
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à 셤 Human, KTOMla; KTOMl; kidney tumour overexpressed membrane; cytostatic; gene therapy; cancer; kidney; liver; bone marrow; brain; heart; lung; kidney; colon; skeletal muscle; testis; uterus; placenta; probe; se.

Human KTOM1a portion (ABQ63232) probe # 449

(first entry)

20-AUG-2002

ABQ63736;

1 CTGGAGGAAGCCAAGAA 17

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ABQ63736 standard; DNA; 17

RESULT 316 4BQ6373

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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as the confine of hGDMLP-1 may be used for diagnosing a production, and in vaccines or for replacement therapy. The polynucleotide sequences encoding hGDMLP-1 may be used for diagnosing a disorders associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders hGDMLP-1 is pocusing of the hGDMLP-1 sequence in the expression of hGDMLP-1, in particular heart and skeletal muscle disorders and oligomer used in the screening of the hGDMLP-1 sequence in the expression of the present invention. N.B.
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                                                                           Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart;
muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease;
skeletal muscle disorder; amplicon; screening; ss.
Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:8660.
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30-JAN-2001, 2001WO-US000664.
30-JAN-2001, 2001WO-US000665.
30-JAN-2001, 2001WO-US0006667.
30-JAN-2001, 2001WO-US000667.
30-JAN-2001, 2001WO-US000669.
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2000US-0234687P.
2000US-0236359P.
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2001WO-US000661.
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2001WO-US000661. 2001WO-US000662. 2001WO-US000663.

30-JAN-2001; 30-JAN-2001;

04-OCT-2000; 27-SEP-2000

2000US-0236359P 2000GB-00024263

21-SEP-2001; 2001WO-US029656

21-SEP-2000;

WO200224750-A2 Ното варіепв.

28-MAR-2002.

2001WO-US000665. 2001WO-US000666. 2001WO-US000667.

30-JAN-2001; 30-JAN-2001; 30-JAN-2001;

30-JAN-2001;

2001WO-US000664

2001WO-US000669. 2001WO-US000669. 2001WO-US000670.

30-JAN-2001; 30-JAN-2001;

30-JAN-2001;

23-MAY-2001; 2001US-00864761 28-AUG-2001; 2001US-0315676P

(AEOM-) AEOMICA INC

WPI; 2002-479509/51.

Zhang J;

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New human kidney tumor overexpressed membrane (KTOM1) protein and nucleic acids encoding the protein, useful for treating subjects having defects in KTOM1 which can manifest as cancer of the kidney, or as a disorder of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to a novel isolated nucleic acid encoding human KTOM1 (kidney tumour overexpressed membrane) protein. The protein of the invention has cytostatic activity. The nucleotide may have a use in gene therapy. The KTOM1 nucleic acids may be used to diagnose, treat or monitor a disease caused by altered expression of human KTOM1.

Compositions comprising the nucleic acids, proteins or antibodies may be used to treat subjects having defects in KTOM1 which can manifest as cancer of the kidney, as well as a disorder of liver, bone marrow, brain, heart, lung, kidney, colon, skeletal muscle, testis, uterus and placenta function. The sequence represents a probe used in the invention to scan the nt 1-1001 portion of human KTOM1a (ABQ63122)
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88.2%; Pred. No. 1.9e+02;
iive 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 88.2
Matches 15; Conservative
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Gaps

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0.8%; Score 13.8; DB 1; Length 17; 18.2%; Pred. No. 1.9e+02; ve 0; Mismatches 2; Indels

88.28;

Query Match 0.8 Best Local Similarity 88.2 Matches 15; Conservative

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267 CTAGAAGAAGCCAAGAA 283

1 CTACTCCCAGCTGGAGA 17

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New human kidney tumor overexpressed membrane (KTOM1) protein and nucleic acids encoding the protein, useful for treating subjects having defects in KTOM1 which can manifest as cancer of the kidney, or as a disorder of
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                                                                                                                                                                  Human; KTOM1a; KTOM1; kidney tumour overexpressed membrane, cytostatic; gene therapy; cancer; kidney; liver; bone marrow; brain; heart; lung; kidney; colon; skeletal muscle; testis; uterus; placenta; probe; ss.
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                                                                                                                                 Human KTOMla portion (ABQ63232) probe # 447
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30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000666.
                             ABQ63734 standard; DNA; 17 BP
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30-JAN-2001; 2001WO-US000670.
23-MAY-2001; 2001US-00864761.
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2001WO-US000661.
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                                                                                                   (first entry)
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04-OCT-2000;
                                                                                                                                                                                                                                             Homo sapiens
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                                                                  ABQ63734;
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RESULT 317
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New human kidney tumor overexpressed membrane (KTOM1) protein and nucleic acids encoding the protein, useful for treating subjects having defects in KTOM1 which can manifest as cancer of the kidney, or as a disorder of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to a novel isolated nucleic acid encoding human KTOM1 (kidney tumour overexpressed membrane) protein. The protein of the invention has cytostatic activity. The nucleotide may have a use in gene therapy. The KTOM1 nucleic acids may be used to diagnose, treat or monitor a disease caused by altered expression of human KTOM1. Compositions comprising the nucleic acids, proteins or antibodies may be used to treat subjects having defects in KTOM1 which can manifest as ancer of the kidney, as well as a disorder of liver, bone marrow, brain, heart, lung, kidney, as well as a disorder of liver, bone marrow, brain, heart, lung, kidney, colon, skeletal muscle, testis, uterus and placenta function. The sequence represents a probe used in the invention to scan the nt 1-1001 portion of human KTOM1a (ABQ631312)
                                                                                                                                                                                                                                         Human, KTOMla; KTOMl; kidney tumour overexpressed membrane; cytostatic; gene therapy; cancer; kidney; liver; bone marrow; brain; heart; lung; kidney; colon; skeletal muscle; testis; uterus; placenta; probe; ss.
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0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                              Human KTOM1a portion (ABQ63232) probe # 445.
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2001WO-US000665.
2001WO-US000666.
2001WO-US000667.
2001WO-US000668.
522 ATCGACTCCCTGCTGGA 538
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2000US-0236359P.
2000GB-00024263.
2001WO-US000661.
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                                                                                                            ABQ63732 standard; DNA; 17 BP
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23-MAY-2001; 2001US-00864761.
28-AUG-2001; 2001US-0315676P.
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Mismatches

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Compositions comprising the nucleic acids, proteins or antibodies may be used to treat subjects having defects in KTOMI which can manifest as cancer of the kidney, so well as a disorder of liver, bone marrow, brain, heart, lung, kidney, colon, skeletal muscle, testis, uterus and placenta function. The sequence represents a probe used in the invention to scan the nt 1-1001 portion of human KTOMIa (ABQ63232)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New human kidney tumor overexpressed membrane (KTOM1) protein and nucleic acids encoding the protein, useful for treating subjects having defects in KTOM1 which can manifest as cancer of the kidney, or as a disorder of e.g., liver or bone.
                                                                                                                                                                Human; KTOM1a; KTOM1; kidney tumour overexpressed membrane; cytostatic; gene therapy; cancer; kidney; liver; bone marrow; brain; heart; lung; kidney; colon; skeletal muscle; testis; uterus; placenta; probe; ss.
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                                                                                                                                             Human KTOMla portion (ABQ63232) probe # 446.
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        GCATCGACTCCCTGCTG 536
                    1 GCATCTACTCCCAGCTG 17
                                                                                 ABQ63733 standard; DNA; 17 BP
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2001WO-US000664.
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2001WO-US000666.
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2000GB-00024263
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2001WO-US000662
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2001US-00864761
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                                                                                                                        20-AUG-2002 (first entry)
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Best Local Similarity
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30-JAN-2001;
30-JAN-2001;
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        520
                                                                                                      ABQ63733;
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                                                            RESULT 319
                                                                       ABQ63733
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New human kidney tumor overexpressed membrane (KTOM1) protein and nucleic acids encoding the protein, useful for treating subjects having defects in KTOM1 which can manifest as cancer of the kidney, or as a disorder of e.g., liver or bone.
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Compositions comprising the nucleic acids, proteins or antibodies may be used to treat subjects having defects in KTOM1 which can manifest as cancer of the kidney, as well as a disorder of liver, bone marrow, brain, heart, lung, kidney, colon, skeletal muscle, testis, uterus and placenta function. The sequence represents a probe used in the invention to scan the nt 1-1001 portion of human KTOM1a (ABQ631212)
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                                                                                                                                                                                                                                                                                                                                                                                                                        Human KTOM1a portion (ABQ63232) probe # 448.
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30-JAN-2001; 2001WO-US000662.
30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000669.
537
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28-AUG-2001; 2001US-0315676P
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521 CATCGACTCCCTGCTGG
                                                             carcracrcccagcree
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88.2%; Pred. No. 1.9e+02;
iive 0; Mismatches 2; Indels
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                                            523 TCGACTCCCTGCTGGAG 539
                                                                          1 rcracrcccaccrcas 17
                                                                                                                                                    ABQ63738 standard; DNA; 17 BP
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2001WO-US000666.
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2001US-0315676P
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                 15; Conservative
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   Best Local Similarity
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30-JAN-2001; 2
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30-JAN-2001; 2
30-JAN-2001; 2
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04-OCT-2000;
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                                                                                                                                                                                  ABQ63738;
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                                                                                                                         RESULT 321
                  Matches
                                                                                                                                           ABQ63738
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Seguence 17 BP; 4 A; 7 C; 4 G; 2 T; 0 U; 0 Other;

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New human kidney tumor overexpressed membrane (KTOM1) protein and nucleic acids encoding the protein, useful for treating subjects having defects in KTOM1 which can manifest as cancer of the kidney, or as a disorder of e.g., liver or bone.
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                                                                                                                                                                                                                                                                           Human, KTOMIa, KTOWI, kidney tumour overexpressed membrane, cytostatic, gene therapy, cancer, kidney, liver, bone marrow, brain, heart, lung, kidney, colon, skeletal muscle, testis, uterus, placenta, probe, ss.
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                             Indels
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Score 13.8; DB 1;
Pred. No. 1.9e+02;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               the nt 1-1001 portion of human KTOMIa (ABQ63232)
                                                                                                                                                                                                                                                    Human KTOM1a portion (ABQ63232) probe # 878.
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                                                             542
                                                                                                                                                                                                                                                                                                                                                                                                                                                       2000US-0234687P.
2000US-0236359P.
2000GB-00024263.
                                                                                                                                                               ABQ64165 standard; DNA; 17 BP.
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2001WO-US000665.
2001WO-US000666.
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2001WO-US000668.
2001WO-US000669.
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2001US-00864761.
2001US-0315676P.
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2001WO-US000662.
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                                                             526 ACTCCCTGCTGGAGAAC
                                                                                       1 Acreceaseresásace
                                                                                                                                                                                                                        (first entry)
    Query Match
Best Local Similarity 88.2
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                             Homo sapiens
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                                                                                                                                                                                                                          20-AUG-2002
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                                                                                                                                     RESULT 322
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; gene therapy; tumour suppressor; HTPL; chromosome 10p12.1; human testis sxpressed Patched like proteah; testis; adrenal; liver; human testis sxpressed Patched like proteah; kidney; lung; placenta; prostate; skeletal muscle; colon; male infertility; cancer; ss.
                                                                     Gaps
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                                                                         ö
   Length 17;
                                                                     2; Indels
Score 13.8; DB 1;
Pred. No. 1.9e+02;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human HTPL scanning oligonucleotide SEQ ID 749.
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                                                                                                                                          1219
                                                                                                                                                                                                            1 Grcaccacrerecerec 17
                                                                                                                                                                                                                                                                                                                                                                                        ABV79503 standard; DNA; 17 BP.
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30-JAN-2001, 2001WO-US000668.
30-JAN-2001, 2001WO-US006669.
323-MAY-2001, 2001US-00864761.
09-OCT-2001, 2001US-0327898P.
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Query Match
Best Local Similarity 88.2%;
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      28-JAN-2002; 2002EP-00001167
                                                                                                                                          1203 GTCACCACGGTGGCTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens.
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The present invention relates to human testis expressed Patched like

protein (HTPL, see ABV78759 to ABV78762 and ABB98519 to ABB98520). HTPL

has two isoforms, with a few single base pair differences between the

two. One of the single base pair changes introduces a premature stop

two. One of the single base pair changes introduces a premature stop

codon in HTPL-S (S for short) compared to HTPL-L. (L for long). HTPL

codon in HTPL-S (S for short) compared to HTPL-L. (L for long). HTPL

codon in HTPL-S (S for short) compared to HTPL-L. (L for long). HTPL

control in HTPL-S (S for short) compared to HTPL-L. (L for long). HTPL

control in HTPL-S (S for short) compared to HTPL-L. (L for long). HTPL

control in Factored, and is a potential tumour suppressor. HTPL is

important in regulating male germ cell development, and the HTPL gene was

consider the coding sequence are

considered and is a medicament for treatment or prevention of

control in disorders include disorders of testis, or adrenal, adult and

control inver, born marrow, brain, kidney, lung, placenta, prostate,

colinically useful diagnostic markers and potenial therapeutic agents for
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                                                                                                                                                                                                                                                                                                                                                                    Human; gene therapy; tumour suppressor; HTPL; chromosome 10p12.1; human testis expressed Patched like protein; testis; aftenal; liver; male germ cell development; bone marrow; brain; kidney; lung; placenta; prostate; skeletal muscle; colon; male infertility; cancer; ss.
                                                                    Gaps
                                                                    ö
                                  Length 17;
                                                                    Indels
                       Score 13.8; DB 1; 1
Pred. No. 1.9e+02;
n. Mismatches 2;
Seguence 17 BP; 4 A; 5 C; 5 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                   Human HTPL scanning oligonucleotide SEQ ID 1238.
                                                                    0; Mismatches
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                                                                                                       538
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2001WO-US000665.

2001WO-US000668.

2001WO-US000669.

2001US-00864761.
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                                                                                                                                                                                                                                В
                               0.8%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2001WO-US000663
                                                                                                       522 ATCGACTCCCTGCTGGA
                                                                                                                                                                                                                              ABV79992 standard; DNA; 17
                                                                                                                                      AGCGACTCACTGCTGGA
                                                                                                                                                                                                                                                                                                  03-JAN-2003 (first entry)
                                                   Best_Local Similarity 88.2
Matches 15, Conservative
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30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
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09-OCT-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30-JAN-2001;
                                                                                                                                                                                                                                                               ABV79992;
                                 Query Match
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                                                                                                                                                                                         RESULT 324
ABV79992
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two precent inventous teraces to nument results expressed required through the problem (HTPL) see ABV78755 to ABV898519 to ABB98519; HTPL has two isoforms, with a few single base pair differences between the two. One of the single base pair changes introduces a premature stop codon in HTPLs. S (S for short) compared to HTPL. L (L for long). HTPL shares an overall structure organisation with the Patched protein. The shares are overall structure organisation with the Patched protein. The chare of Patched, and is a potential tumour suppressor. HTPL is important in regulating male germ cell development, and the HTPL gene was mapped to human chromosome 10pl.1. HTPL and its coding sequence are napped to human chromosome 10pl.1. HTPL and its coding sequence are napped to human chromosome andicament for treatment or prevention of such disorder associated with decreased expression or activity of human HTPL. Such disorders include disorders of testis, or adrenal, adult and foetal liver, bone marrow, brain, kidney, lung, placenta, prostate,
                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel isolated human testis expressed Patched like protein (HTPL), useful for identifying agonist and antagonist and specific binding partners, and for treating subjects having defects in HTPL.
                                                                                                                                                                                                                                                                                                                                                                                                                         Human; gene therapy; tumour suppressor; HTPL; chromosome 10p12.1; human testis expressed Patched like protein; testis; adrenal; liver; male germ cell development; bone marrow; brain; kidney; lung; placenta; prostate; skeletal muscle; colon; male infertility; cancer; ss.
male infertility and cancer. The present oligonucleotide was used in an
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                                                                                                                          Gaps
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0
                                                                                     Length 17;
                                                                                     Score 13.8; DB 1; Length 1 Pred. No. 1.9e+02; 0; Mismatches 2; Indels
                                                     Sequence 17 BP; 2 A; 5 C; 4 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                         Human HTPL scanning oligonucleotide SEQ ID 748.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 2; Page 161; 718pp; English.
                                                                                                                                                               1289
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2001WO-US000667.
2001WO-US000668.
2001WO-US000669.
2001US-00864761.
                                                                                                                                                                                         1 TCTGTGACTGTGATCCC 17
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                                                                                          0.8%;
                                                                                                                                                               1273 TCTTTGACTCTGATCCC
                                                                                                                                                                                                                                                                                       ABV79502 standard; DNA; 17
                         example from the invention
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                                                                                        Query Match 0.8
Best Local Similarity 88.2
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                        ABV79502;
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The invention relates to a nucleic acid molecule (I) which down regulates expression of an Ets-related gene (ERG). (I) is useful for treating conditions selected from cancer, lymphoma, Ewing's sarrowa, melanoma, neovascular glaucoma, myopic degeneration, arthritis, psoriasis, verruca vulgaris, andjofibroma of tuberous sclerosis, port-wine stains, Sturge where syndrome, Rippel-Trenaunay-Weber syndrome, Osler-Weber-rendu syndrome, leukaemia, osteoporosis and wound healing. (I) is useful for treating a patient having a condition associated with the level of ERG, by contacting cells of the patient with (I) under conditions suitable for the treatment. The method comprises the use of one or more therapies under conditions suitable for the treatment. Leukaemia or tumour angiogenesis is treated by administering (I) to the patient in conjunction with one or more of other therapies such as radiation or
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel polynucleotide which down regulates expression of Ets-related gene, useful for treating cancer, diabetic retinopathy, macular degeneration, arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.
skeletal muscle or colon function. HTPL proteins and nucleic acids are clinically useful diagnostic markers and potenial therapeutic agents for male infertility and cancer. The present oligonucleotide was used in an example from the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic; ophthalmological; antiarthritic; antipsoriatic; virucide; osteopathic; vulnerary; cancer; lymphoma; Ening's sarcoma; melanoma; psoriasis; tumour angiogenesis; diabetic retinopathy; macular degeneration; neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris; angiofibroma of tuberous sclerosis; port-wine stain; wound healing; sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss; Osler-Weber-rendu syndrome, leukaemia; osteoporosis; DNAzyme; inozyme;
                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human ERG hammerhead ribozyme target sequence, Seq ID No 876.
                                                                                                                                           0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mcswiggen JA, Mclaughlin F,
                                                                                                          G; 3 T; 0 U; 0 Other
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                                                                                                                                                                                                                               521 CATCGACTCCCTGCTGG 537
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                                                                                                                                                                                                                                                                                                                                                                      BP
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                                                                                                          Sequence 17 BP; 3 A; 6 C; 5
                                                                                                                                                                                                                                                        CAGCGACTCACTGCTGG
                                                                                                                                                                                                                                                                                                                                                                    ABK18229 standard; RNA; 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   09-APR-2002 (first entry)
                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ) GLAXO GROUP LTD
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                                                                                                                                               Query Match
Best Local Similarity
Matches 15; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                              ABK18229;
                                                                                                                                                                                                                                                                                                                              RESULT 326
ABK18229
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cc syndrome, leukaemia, osteoporosis and wound healing. (I) is useful for treating a patient having a condition associated with the level of ERG. by contacting cells of the parient with (I) under conditions suitable for the treatment. The method comprises the use of one or more therapies conditions suitable for the treatment. Leukaemia or tumour candidagenesis is treated by administering (I) to the patient in conjunction with one or more of other therapies such as radiation or chemotherapy treatment. (I) is useful for reducing ERG activity in a ccell, by contacting (I) with RNA, in the presence of a divalent cell, by contacting (I) with RNA, in the presence of a divalent confices are related to the expression of ERG, and as diagnostic tool to examine genetic drift and mutations within diseased cells or to detect the presence of ERG RNA in a cell. (I) is useful for specifically confice the presence of ERG RNA in a cell. (I) is useful for specifically confice the presence of ERG RNA in a cell. (I) is useful for specifically confident confidence that share homology with ERG gene or ERG fusion genes. ABK17354-ABK22719 represent nucleic acids, including antisense and confidence of ERG, and confidence expression of ERG, and confidence of ERG, and confidence expression of ERG, and confidence of E
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mouse, Ob receptor; ObR; leptin; body weight disorder; drug screening; gene therapy; obesity; cachexia; anorexia; anorectic; anabolic; PCR;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mouse Ob receptor genomic DNA amplifying forward PCR primer #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.8%; Score 13.8; DB 1; Length 17; 12.4%; Pred. No. 1.9e+02; ve 1; Mismatches 2; Indels
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3.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             218 GACTCTCATAGAAAAA 234
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95US-00566622.
95US-00569485.
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95US-00583153.
96US-00599455.
96US-00638524.
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97US-00864564
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity 82.4
hes 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TARTAGLIA L A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TEPPER R I.
CULPEPPER J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2002-413726/44.
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03-SEP-1996;
28-MAY-1997;
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08-DEC-1995;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                primer; 88
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
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Matches
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     chemotherapy treatment. (I) is useful for reducing ERG activity in a cell, by contacting the cell with (I). (I) is useful for cleaving RNA of ERG gene, by contacting the think RNA, in the presence of a divalent cation such as Mg2+. (I) is useful for diagnosis of conditions and diseases related to the expression of ERG, and as diagnostic tool to examine genetic drift and mutations within diseased cells or to detect the presence of ERG RNA in a cell. (I) is useful for specifically trangeting genes that share homology with ERG gene or ERG fusion genes. ABK1754-ABK22719 represent mucleic acids, including antisense and enzymatic nucleic acid molecules which regulate expression of ERG, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel polynucleotide which down regulates expression of Ets-related gene, useful for treating cancer. Alabatic rationality
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic; ophthalmological; antiarthritic; antipsoriatic; virucide; osteopathic; vulnerary; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis; tumour angiogenesis; diabetic retinopathy; macular degeneration; neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris; angiofibroma of tuberous sclerosis; port-wine stain; wound healing; Sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              useful for treating cancer, diabetic retinopathy, macular degeneration, arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Osler-Weber-rendu syndrome, leukaemia; osteoporosis; DNAzyme; inozyme; amberzyme;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                       0.8%; Score 13.8; DB 1; Length 17; 32.4%; Pred. No. 1.9e+02; ved 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human ERG Amberzyme target sequence Seq ID No 1782.
                                                                                                                                                                                                                                                                                                                                    Sequence 17 BP; 2 A; 12 C; 2 G; 0 T; 1 U; 0 Other;
                                                                                                                                                                                                                                                                                    related PCR primers of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1504 GCCCCAGCCTCCAGGCC 1520
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                                                                                                                                                                                                                                                                                                                                                                                    Query Match 0.8%;
Best Local Similarity 82.4%;
Matches 14; Conservative
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Gaps

WPI; 2002-413726/44.

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The present invention relates to novel antibodies which selectively bind mammalian Ob receptors (ODR) and inhibit the binding of leptin to the mammalian Ob receptor. ODR sequences are novel receptor proteins that participate in the control of mammalian body weight. The antibodies of the invention may be used to detect of to receptor in a biological sample and utilised as a part of diagnostic or prognostic technique in which patients may be tested for abnormal amounts of Ob receptors. They may be utilised in conjunction with, for example, compounds on expression and/or activity of the Ob receptor approach on expression and/or activity of the Ob receptor expression and/or conjunction with the gene therapy techniques, for example, to evaluate introduction with the gene therapy techniques, for example, to evaluate conjunction with the patient. They may be used in the method for their introduction into the patient. They may be used in the method for the inhibition of abnormal Ob receptor activity and can be used for drug conjunction into the patient. They may be used in the method for the inhibition of abnormal ob receptor activity and can be used for drug conjunction into the patient of the obseity, cachexia and anorexia. The present DNA sequence is a PCR primer which is used for amplifying the present of the present of the exemplification of the present of the presen
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mouse Ob receptor genomic DNA amplifying forward PCR primer #3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
Live 0; Mismatches 2; Indels
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95US-00566622.
95US-00570142.
95US-00583153.
96US-0059855.
96US-00598545.
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treating weight disorders.
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Best Local Similarity 88.2
Matches 15; Conservative
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TEPPER R I.
CULPEPPER J A.
WHITE D W.
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28-MAY-1997;
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08-DEC-1995;
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The present invention relates to novel antibodies which selectively bind mammalian Ob receptors (ObR) and inhibit the binding of leptin to the mammalian Ob receptor. ObR sequences are novel receptor proteins that participate in the control of mammalian body weight. The antibodies of the invention may be used to detect of Do receptor in a biological sample the invention may be used to detect of Do receptor in a biological sample can utilised as a part of diagnostic or prognostic technique in which participate may be tested for abnormal amounts of Ob receptors. They may be utilised in conjunction with for example, compound screening schemes for the evaluation of the effect of test compounds on expression and/or activity of the Ob receptor gene product. The antibodies can be used in conjunction with the gene therapy techniques, for example, to evaluate conjunction with the gene therapy rechniques, for example, to evaluate introduction into the patient. They may be used in the method for the introduction into the patient. They may be used in the method for the cinhibition of abnormal Ob receptor activity and can be used for drug screening, clinical trial monitoring and/or the treatment of body weight disorders including but not limited to obesity, cachexia and anorexia.

The present DNA sequence is used in the exemplification of mouse obbs genomic DNA. This sequence is used in the exemplification of
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                                            Antibodies which selectively bind mammalian Ob receptors and inhibits the binding of leptin to the mammalian Ob receptor, useful for diagnosing and treating weight disorders.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
ative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 17 BP; 3 A; 6 C; 2 G; 6 T; 0 U; 0 Other;
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                                                                                                                               Example; Col 62; 108pp; English.
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ACN05936 standard; RNA; 17 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mcswiggen JA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Amberzyme; Zinzyme; ss
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
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WPI; 2002-706994/76.

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                                                                                                                       The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, encephalitis, wyocarditis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-claaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least the 2'-0-methyl modifications, phosphorothicate linkages on at least three of the 5' terminal nucleotides and a 3' end modification of a 3'-3' inverted abasic molety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given molecule of the invention
             New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WNV minus strand Hammerhead Ribozyme substrate SEQ ID NO 8394.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 17 BP; 6 A; 4 C; 4 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                                       Claim 23; SEQ ID NO 5939; 495pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1226 TTCTGACTCGGACGTTC 1242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ACN08391 standard; RNA; 17 BP.
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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, encaphalitis, wycarditis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least the 2'-O-methyl modifications, phosphorothiadre linkages on at least three of the 5' terminal nucleotides and a 3' end modification of a 3'-3' inverted abasic molety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given molecule of the invention
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                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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                                                                                                                                                                                                                                                                                                                                                                               2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WNV minus strand Amberzyme substrate SEQ ID NO 15011.
                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 0 A; 9 C; 0 G; 0 T; 8 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                               7; Mismatches
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                                                                                                                                                                                                                                                                                                                                                               47.18;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ACN15008 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          22-APR-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                 8; Conservative
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                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
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ACN15008
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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, monocphalitis, monocophalitis, monocophalitis, monocophalitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of mucleic acid molecules further comprise at Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least ten 2'-O-methyl modifications, phosphorothicate linkages on at least these of the 5' terminal nuclectides and a 3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification.
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nucleic acid molecules further comprise at least five ribose residues, at least ten 2'-0-methyl modifications, phosphorothicate linkages on at least three of the 5' terminal nuclectides and a 3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WNV; West Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;
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                                                                                                                                                                                                     0.8%; Score 13.8; DB 1; Length 17; 58.8%; Pred. No. 1.96+02;
                                                                                                                                                                                                                                                 2; Indels
                                                                                                                                                                 Sequence 17 BP; 3 A; 5 C; 4 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WNV Hammerhead Ribozyme substrate SEQ ID NO 388.
                                                                                                                                                                                                                                                 5; Mismatches
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                                                                                                                                                                                                                                                                                         1227 TCTGACTCGGACGTTCC 1243
                                                                                                                                                                                                                                                                                                                1 UCUGAGUCGGACAUUCC 17
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(BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                   ACN00398 standard; RNA; 17
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                                                                                                                               molecule of the invention
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nes 10; Conservative
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                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                     Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                ACN00398,
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                                                                     Gaps
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                               Score 13.8; DB 1; Length 17;
Pred. No. 1.9e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                         WNV minus strand DNAzyme substrate SEQ ID NO 14019.
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Sequence 17 BP; 5 A; 4 C; 5 G; 0 T; 3 U; 0 Other;
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                                       0.8%;
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                                                                                                          1228 CTGACTCGGACGTTCCT
                                                                                                                               17 CTGAGTCGGACATTCCT
                                                                                                                                                                                                                                  ACN14016 standard; RNA; 17
                                                                                                                                                                                                                                                                                                         22-APR-2004 (first entry)
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                                       Query Match
Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Blatt L, Mcswiggen JA;
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(MCSW/) MCSWIGGEN J A.
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New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
                                                                                                                                                     WNV; West Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme; Amberzyme; Zinzyme; 89.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 23; SEQ ID NO 6463; 495pp; English
                                                                                                                          WNV Amberzyme substrate SEQ ID NO 6463.
ACN06460 standard; RNA; 17 BP.
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                                                                                   (first entry)
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(MCSW/) MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2002-706994/76.
                                                                                                                                                                                                                                                                                            West Nile Virus.
                                                                                                                                                                                                                                                                                                                                      WO200268637-A2.
                                                                                   22-APR-2004
                                                                                                                                                                                                                                                                                                                                                                                06-SEP-2002.
                                         ACN06460;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ACN01953/
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, encephalitis, meningitis, neurologic infection, hepatitis, inverted and the paracellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-Cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least three of the 5 terminal nucleotides and a 3 end modification of a 3 '3' inverted abasic moiety. Nucleic acid molecules SEQ ID No 1 to 37080 are claimed; however, SEQ ID No 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to nucleic acid molecules that modulate replication
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
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                                                                                                                                                                                                                                                                                                              WNV, West Nile Virus, antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalitis; myoarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;
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58.8%; Pred. No. 1.9e+02;
iive 5; Mismatches 2; Indels
                                                                                                                                                                                                                                                                       WNV minus strand Amberzyme substrate SEQ ID NO 15012.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 23; SEQ ID NO 15012; 495pp; English
1229 TGACTCGGACGTTCCTT 1245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1228 CTGACTCGGACGTTCCT 1244
                     1 UGAGUCGGACAUUCCUU 17
                                                                                                                                              ACN15009 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19-OCT-2001; 2001WO-US048350.
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                                                                                                                                                                                                                               22-APR-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      molecule of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 58.8
Matches 10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Blatt L, Mcswiggen JA;
                                                                                                                                                                                                                                                                                                                                                                                                      Amberzyme; Zinzyme; ss
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2002-706994/76.
                                                                                                                                                                                                                                                                                                                                                                                                                                             West Nile Virus.
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                                                                                                                                                                                        ACN15009;
                                                                                                    RESULT 335
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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis.

liver failure, hepatocallular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DMAZyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least ten 2'-O-methyl modifications, phosphorothioate linkages on at least three of the 5' terminal nucleotides and a 3' and modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
iive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Seguence 17 BP; 8 A; 1 C; 8 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WNV Inozyme substrate SEQ ID NO 1943.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              489 TCGCCCTTCTACTTCTG S05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ВР
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                                                                                                                                                                                                                                                                                                                                                                                                                                                molecule of the invention
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Matches 15, Conservative
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CUGAGUCGGACAUUCCU 17

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ACN06460/c RESULT 336

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New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
                                                                                     19-OCT-2001; 2001WO-US048350
                                                                                                                    20-OCT-2000; 2000US-0242411P.
                                                                                                                                                 (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                                          Blatt L, Mcswiggen JA;
                                                                                                                                                               (BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J A.
                                                                                                                                                                                                                                      WPI; 2002-706994/76.
West Nile Virus.
                                WO200268637-A2
                                                             06-SEP-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, encephalitis, myocarditis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of mucleic acid molecules further comprise at least five ribose residues, uncayme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least ten 2'-O-methyl modifications, phosphorothioate linkages on at least three of the 5' terminal nucleotides and a 3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid
                                                                                                                                                                                                                                                                                                                                                                     New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
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                wnv; west Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; panorreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;
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88.2%; Pred. No. 1.9e+02;
ative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 17 BP; 5 A; 4 C; 5 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 23; SEQ ID NO 1943; 495pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1227 TCTGACTCGGACGTTCC 1243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ACN08392 standard; RNA; 17 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           17 TCTGAGTCGGACATTCC 1
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                                                                                                                                                                                                                            20-OCT-2000; 2000US-0242411P.
                                                                                                                                                                                                                                                        (RIBO-) RIBOZYME PHARM INC. (BLAI/) BLAIT L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22-APR-2004 (first entry)
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Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                  Mcswiggen JA;
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                                                                            Amberzyme; Zinzyme; ss
                                                                                                                                                                                                                                                                       (BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                                                                           WPI; 2002-706994/76.
                                                                                                           West Nile Virus.
                                                                                                                                        WO200268637-A2
                                                                                                                                                                    06-SEP-2002
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                                                                                                                                                                                                                                                                                                                  Blatt L,
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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis.

C encephalitis, myocarditis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inoxyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The C nucleic acid molecules further comprise at least five ribose residues, at least ten 2-0-methyl modifications, phosphorothioate linkages on at least three of the 5' terminal nucleotides and a 3' end modification of a 3-3' inverted abasic molecy. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 17 BP; 0 A; 8 C; 1 G; 0 T; 8 U; 0 Other;
Claim 23; SEQ ID NO 8395; 495pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    489 TCGCCCTTCTACTTCTG 505
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity 47.1%;
8; Conservative
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Best Local Similarity
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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, invocarditis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues at least ten 2'-O-methyl modifications, phosphorothioate linkages on at least three of the 5 terminal nucleotides and a 3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SED ID NO 1 to 30 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid
                                                                                                                                New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 13.8; DB 1; Length 1
Pred. No. 1.9e+02;
0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                           Claim 23; SEQ ID NO 5388; 495pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   molecule of the invention
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Matches 15; Conservative
   Mcswiggen JA;
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(MCSW/) MCSWIGGEN J A.
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Blatt L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ACN08973;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
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THE TANK TO A PRINCE OF THE PROPERTY OF THE PR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatinis, encaphalitis, mayocarditis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DMAZyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, least then 2'-O-methyl modifications, phosphorothioate linkages on at least three of the 5' terminal nucleotides and a 3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID No 1 to 37080 are claimed; however, SEQ ID No 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid
                                                                                                                                                                                                                                                                                                                                                                              New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.8%; Score 13.8; DB 1; Length 17;
18.2%; Pred. No. 1.9e+02;
ve 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17 BP; 2 A; 6 C; 4 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 23; SEQ ID NO 11838; 495pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WNV DNAzyme substrate SEQ ID NO 5388.
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                                20-OCT-2000; 2000US-0242411P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17 CAAGAGGGAGCTCTGCA 1
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Best Local Similarity 88.2%;
Matches 15; Conservative
                                                                                               RIBO-) RIBOZYME PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 molecule of the invention
                                                                                                                                                                                                                                          Mcswiggen JA;
                                                                                                                                                                 (MCSW/) MCSWIGGEN J A.
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MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                                            WPI; 2002-706994/76.
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                                                                                                                                                                                                                                          Blatt L,
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(MCSW/)
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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis.

Invertion anyocarditis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inoxyme, Cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, the act the first terminal nucleotides and a 3 end and diffication of a 3 and inverted abasic molety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid
                                                                                                                                                                                                                                                                 0.8%; Score 13.8; DB 1; Length 17; 22.9%; Pred. No. 1.9e+02; ve 6; Mismatches 2; Indels
                                                                                                                                                                                                                                       Sequence 17 BP; 3 A; 4 C; 4 G; 0 T; 6 U; 0 Other;
                                                                                                                                                                                                                                                                                              6; Mismatches
          Claim 23; SEQ ID NO 8976; 495pp; English.
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                                                                                                                                                                                                                                                                                                                          1226 TTCTGACTCGGACGTTC 1242
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                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 52.9%;
Matches 9; Conservative
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                                                                                                                                                                                                                molecule of the invention
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Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip; antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease; schizophrenia; protein chip; gene therapy; tumour suppression; human fukutin; ds.
Tumour suppression related human fukutin oligo SEQ ID No 57.
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The invention relates to a novel isolated 17 mer nucleic acid sequence, given in the specification, a sequence containing at least 15 consecutive nucleotides from the 17 mer sequence, a sequence with, after optimal alignment, at least 80 % identity to the 17 mer sequence, a sequence that hybridizes to them under highly stringent conditions, or the complement of any of them, or the corresponding RNA. The novel isolated nucleic acids of the invention are useful as probes and primers for detecting, New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells. Disclosure; Page 40; 720pp; French. WPI; 2003-313353/30.

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identifying, quantifying and/or amplifying a nucleic acid, e.g. as one component of a gene chip, in vitro as (anti)sense reagents, and for production of recombinant polypeptides. Any of the nucleic acids, collayoptides, vectors containing the nucleic acids, cells containing the nucleic acids, cells containing the nucleic acids, cells containing the preparation of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell diseases that are characterised by development of tumours or cell diseases that are useful for he expression of the 17 mer nucleic acids in patient samples is useful for diagnosis and/or prognosis of these diseases. The polypeptides can also be used to generate antibodies, and both the polypeptide and antibodies are useful as components of procein chips. The nucleic acid sequences of the invention can be used in gene therapy. This polymucleotide sequence represents a tumour suppression characted human fukutin oligomucleotide of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to a novel isolated 17 mer nucleic acid sequence, given in the specification, a sequence containing at least 15 consecutive nucleotides from the 17 mer sequence, a sequence with, after optimal alignment, at least 80 % identity to the 17 mer sequence, a sequence that hybridizes to them under highly stringent conditions, or the complement of any of them, or the corresponding RNA. The novel isolated nucleic acids of the invention are useful as probes and primers for detecting, identifying, quantifying and/or amplifying a nucleic acid, e.g. as one component of a gene chip, in vitro as (anti) sense reagents, and for
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip; antisense; sense; tumour; cell degeneration; cancer; Alzhaimer's disease; schizophrenia; protein chip; gene therapy; tumour suppression; human fukutin; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.
                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Tumour suppression related human fukutin oligo SEQ ID No 3374.
                                                                                                                                                                                                                                                                                                                                                                           0.8%; Score 13.8; DB 1; Length 17; 38.2%; Pred. No. 1.9e+02;
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                                                                                                                                                                                                                                                                                                                                  Sequence 17 BP; 4 A; 7 C; 2 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              374 CTGGGAAGAGTGTAAGC 390
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BP.
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                                                                                                                                                                                                                                                                                                                                                                                                88.2%;
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                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity 88.2
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                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 343
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               polypeptides, vectors containing the nucleic acids, cells containing the vector or antibodies directed against the polypeptides are useful for preparation of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell degeneration, specifically cancer but also Alzheimer's disease and schizophrentia. Analysis of the expression of the 17 mer nucleic acids in patient samples is useful for diagnosis and/or prognosis of these both the polypeptides can also be used to generate antibodies, and both the polypeptide and antibodies are useful as components of protein chips. The nucleic acid sequences of the invention can be used in gene therapy. This polymucleotide sequence represents a tumour suppression related human fukutin oligonucleotide of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     G-cleaver, inderzyme; cancer; recorded activity; breast cancer; human; lung cancer; prostate cancer; colorectal cancer; brain cancer; human; lung cancer; prostate cancer; colorectal cancer; brain cancer; cancer; based cancer; based and neck cancer; ovarian cancer; melanoma; lymphoma; glioma; multidrug resistant cancer; REL-A-specific inhibitor; chemotherapy; paclitaxel; docetaxel; cisplatin; methotraxate; cyclophosphamide; doxorubin; fluorouracil carboplatin; edatrexate; gencitabine; radiation therapy; inflammatory disease; asthma; diabetes; rheumatoid arthritis; restenosis; Crohn's disease; obesity; ischaemia; gene therapy; autoimmune disease; lupus; multiple sclerosis; sepsis; transplant/graft rejection; reperfusion injury; glomerulonephritis; allergic airway inflammatory bowel disease; infection; se.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Enzymatic nucleic acid; nuclear factor kappa B; NFKB; inozyme; zinzyme;
                                                                                                                                                                                                                                                                                                                                                                                 Gaps
production of recombinant polypeptides. Any of the nucleic acids,
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                                                                                                                                                                                                                                                                                                                                 Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.9e+02; Matches 15; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                            Sequence 17 BP; 3 A; 4 C; 4 G; 6 T; 0 U; 0 Other;
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94US-00291932.
96US-00777916.
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DRAPER K G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2003-340953/32.
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15-AUG-1994;
23-DEC-1996;
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regulates expression of a sequence encoding a subunit of nuclear factor kappa B (NFKB), where (I) is an inozyme, zinzyme, G-cleaver or amberzyme configuration. The enzymatic nucleic acid molecule is adapted to treat cancer and is useful for down-regulating REL-A activity in a cell, for treating a patient having a condition associated with the level of REL-A. (I) is useful for cleaving RNA comprising a sequence of REL-A gene, in the presence of, a divalent cation, especially Mg^2+. The enzymatic and antisense nucleic acid molecules are useful for treating breast, lung, prostate, colorectal, brain, oesophageal, stomach, bladder, pancreatic, cervical, head and neck, ovarian cancer, melanoma, lymphoma, glioma or multidrug resistant cancer. The method involves use of other drug therapies such as monoclonal antibodies, REL-A-specific inhibitors or chemotherapy including pacilitaxel, docetaxel, cisplatin, methotrexate, cyclophosphamide, doxorubin, fluorouracil carboplatin, edatrexate, cyclophosphamide, doxorubin, doxorubin, asthaw, 
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                                                                             The invention describes an enzymatic nucleic acid molecule (I) which down
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                         Claim 3; Page 29; 72pp; English.
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18-MAY-1994;
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The invention describes an enzymatic nucleic acid molecule (I) which down regulates expression of a sequence encoding a subunit of nuclear factor kappa B (NFKB), where (I) is an inozyme, zinzyme, G-cleaver or amberzyme configuration. The enzymatic nucleic acid molecule is adapted to treat cancer and is useful for down-regulating REL-A activity in a cell, for treating a condition associated with the level of REL-A. (I) is useful for cleaving RNA comprising a sequence of REL-A gene, in the presence of a divalent cation, especially MG'2+. The enzymatic and antisense nucleic acid molecules are useful for treating breast, lung, correctal, brain, ossophageal, stomach, bladder, pancreatic, colorectal, brain, ossophageal, stomach, bladder, pancreatic, colorectal, brain, ossophageal, stomach, bladder, pancreatic, correctal, nead and neck, ovarian ancer, melanoma, lymphoma, glioma or cervical, nead and neck, ovarian ancer, melanoma, lymphoma, glioma or chemotherapy including paclicaxel, docetaxel, cisplatin, methotrexate, colorphosphamide, doxorubin, fluorouracil carboplatin, edatrexate, cyclophosphamide, doxorubin, gene uncertang inflammatory architers, restenosis, section injury crejection, gene therapy applications, ischaemia/reperfusion injury configuration, and milian sequence represents the substrate of a novel enzymatic infection and enzymatic configuration
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel enzymatic nucleic acid molecules which down regulates expression of a sequence encoding a subunit of nuclear factor kappa B useful for treating cancer, inflammatory disorders and autoimmune diseases.
gene therapy; autoimmune digease; lupus; multiple sclerosis; sepsis; transplant/graft rejection; reperfusion injury; glomerulonephritis; allergic airway inflammation; inflammatory bowel disease; infection; ss.
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Similarity 82.4%; Pred. No. 1.98+02;
14; Conservative 1; Mismatches 2; Indels
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94US-00245466.
94US-00291932.
96US-00777916.
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                                                                                                              Homo sapiens.
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82.4%; Pred. No. 1.9e+02;
tive 1; Mismatches 2; Indels
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                  94US-00291932.
96US-00777916.
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Best Local Similarity 82.4'
Matches 14; Conservative
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                                                                                                                    (MCSW/) MCSWIGGEN J
(DRAP/) DRAPER K G.
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                         15-AUG-1994;
23-DEC-1996;
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Claim 3; Page 43; 72pp; English.
                                                                                                         Stinchcomb DT, Mcswiggen J,
                                                                        23-MAY-2001; 2001US-00864785
                                                                                             STIN/) STINCHCOMB D T.
                                                                                                MCSWIGGEN J.
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                                                                                                   DRAP/) DRAPER K G.
                                                           US2002177568-A1
                                                      Homo sapiens.
                                                                                    15-AUG-1994;
23-DEC-1996;
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18-MAY-1994;
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oesophageal cancer; stomach cancer; bladder cancer; pancreatic cancer; lead and neck cancer; ovarian cancer; melanoma; lymphoma; glioma; multidrug resistant cancer; REL-A-specific inhibitor; chemotherapy; paclitaxel; doctaxel; cisplatin; methotraxate; cyclophosphamide; doxorubin; fluorouracil carboplatin; edatrexate; gencitabine; radiation therapy; inflammatory disease; asthma; diabetes; rheumatorid arthritis; restenosis; Crohn's disease; obesity; ischammia; gene therapy; autoimmune disease; lupus; multiple sclerosis; sepsis; transplant/graft rejection; repertusion injury; glomerulonephritis; allergic airway inflammation; inflammatory bowel. disease; infection; ss.
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82.4%; Pred. No. 1.96;ive 1; Mismatches
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Best Local Similarity
Matches 14; Conserv
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ACA06298
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                                                                                                     Enzymatic nucleic acid; nuclear factor kappa B; NFKB; inozyme; zinzyme; G-cleaver; amberzyme; cancer; REL-A activity; breast cancer; human; dung cancer; prostate cancer; colorectal cancer; brain cancer; colorectal cancer; prain cancer; prostate cancer; colorectal cancer; pancreatic cancer; les and nack cancer; ovarian cancer; melanoma; lymphoma; glloma; multidrug resistant cancer; REL-A-specific inhibitor; chemotherapy; paclitaxel; docetaxel; cisplatin; methorrexate; chemotherapy; paclitaxel; docetaxel; cisplatin; methorrexate; gencitabine; radiation therapy; inflammatory disease; asthma; diabetes; rheumatoid arthritis; restenosis; Grohn's disease; obesity; ischaemia; gene therapy; autoimmune disease; lupus; multiple sclerosis; sepsis; transplant/graft rejection; reperfusion injury; glomerulonephritis; allergic airway inflammation; inflammatory bowel disease; infection; ss.
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                                                         NFKB sub-unit modulating DNAzyme substrate #24.
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94US-00245466.
94US-00291932.
96US-00777916.
     (first entry)
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Novel enzymatic nucleic acid molecules which down regulates expression of a sequence encoding a subunit of nuclear factor kappa B useful for treating cancer, inflammatory disorders and autoimmune diseases.
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Stinchcomb DT, Mcswiggen J, Draper KG;
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Query Match

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            gencitable or radiation therapy. The enzymatic and antisense nucleic acid molecules are also useful for treating inflammatory disease such as rheumatoid arthritis, restenosis, asthma, Crohn's disease, diabetes, obesity, autoimmune disease, lupus, multiple sclerosis, transplant/graft rejection, gene therapy applications, ischaemia/reperfusion injury (sentral nervous system (CNS) and myocardial), glomerubonephritis, sepsis, allergic airway inflammation, inflammatory bowel disease or infection. This sequence represents the substrate of a novel enzymatic
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cyclophosphamide, doxorubin, fluorouracil carboplatin, edatrexate,
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                                                                                                                                                                                                                                                  Score 13.8; DB 1; Length 17;
Pred. No. 1.9e+02;
1; Mismatches 2; Indels
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94US-00245466.
94US-00291932.
96US-00777916.
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Best Local Similarity 82.4%;
Matches 14; Conservative 1
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                                                                                                                                                                        nucleic acid molecule
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15-AUG-1994;
23-DEC-1996;
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The invention describes an enzymatic nucleic acid molecule (I) which down regulates expression of a sequence encoding a subunit of nuclear factor canderable (I) is an inozyme, calcaver or amberzyme configuration. The enzymatic nucleic acid molecule is adapted to treat cancer and is useful for down-regulating REL-A activity in a cell, for treating a patient having a condition associated with the level of REL-A. (I) is useful for cleaving RNA comprising a sequence of REL-A gene, in the presence of a divalent cation, especially Mg^2+. The enzymatic and antisense nucleic acid molecules are useful for treating breast, lung, cravical, head and neck, ovarian cancer, melanoma, lymphoma, glioma or cartical, head and neck, ovarian cancer, melanoma, lymphoma, glioma or multidrug resistant cancer. The method involves use of other drug therapies such as monoclonal antibodies, REL-A-specific inhibitors or chemotherapy including paclitaxel, docetaxel, cisplatin, methocraxate, cyclophosphanide, doxorubin, fluorouracil carboplatin, edatrexate, cyclophosphanide, doxorubin, fluorouracil carboplatin, edatrexate, cyclophosphanide, doxorubin, fluorouracil carboplatin, edatrexate, cyclophosphanide, are also useful for treating inflammatory disease such as rheumatoid arthritis, restenosis, asthma, Crohn's disease such as rheumatoid arthritis, restenosis, asthma, Crohn's disease such as rejection, gene therapy applications, ischaemia/reperfusion injury contraction. This sequence represents the substrate of a novel enzymatic contraction. This sequence represents the substrate of a novel enzymatic contraction. This sequence represents the substrate of a novel enzymatic contraction.
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94US-00245466.
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18-MAY-1994;
15-AUG-1994;
23-DEC-1996;
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                                                                                            Stinchcomb DT, Mcswiggen J, Draper KG;
                                                                                                                                                                                                                                                                                              Claim 3; Page 30; 72pp; English.
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Matches 14; Conservative
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(STIN/) STINCHCOMB D T.
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                       MCSWIGGEN J.
DRAPER K G.
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Best Local Similarity 82.44
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                 (STIN/) STINCHCOMB D T. (MCSW/) MCSWIREDEN T
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DRAPER K G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2003-340953/32.
                                                               US2002177568-A1.
                                                                                                                                                                                                                                                                                                             18-MAY-1994;
15-AUG-1994;
23-DEC-1996;
Homo sapiens.
                                                                                                                                                                                                                                                                                07-DEC-1992;
                                                                                                                                  28-NOV-2002
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The present invention relates to novel human zinc finger-containing proteins and their coding sequences: MDZ3, MDZ4, MDZ12. MDZ12. MDZ3 is proteins and their coding sequences: MDZ3, MDZ4, MDZ12. MDZ12. MDZ12. MDZ12 is encoded at chromosome 6p21.3-22.2.

MDZ7 is encoded at chromosome 16p11.2 and MDZ12 is encoded at chromosome contains a medicament for treating or preventing a disorder sasciated with decreased or increased expression or activity of MDZ3, MDZ4, MDZ1, e.g. cancer or developmental disorders. The nucleic acids and proteins are also useful for diagnosing or monitoring a disease acids can also be used as probes to detect and characterize gross alterations in MDZ3, MDZ4, MDZ7, or MDZ12. The nucleic acids can also be used as probes to detect and characterize gross alterations in MDZ3, MDZ4, MDZ7, or MDZ12. The probes are useful in constructing microarrays for measuring gene expression. The proteins are useful as therapeutic agents for gene therapy or as proteins are useful as therapeutic agents for gene therapy or as
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                                                                                                                                                                                                                                                                                                                                                           New zinc finger-containing proteins and nucleic acids, useful in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3, MDZ4, MDZ7 or MDZ12, e.g. cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
vative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 4 A; 7 C; 5 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human MDZ4 scanning oligonucleotide SEQ ID 3399.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 8; SEQ ID NO 1453; 103pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 926 GGGCTGCCTGCGGATGA 942
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADB02413 standard; DNA; 17 BP
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                                                                                                     30-JUL-2002; 2002EP-00016874.
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                                                                                                                                                      02-AUG-2001; 2001US-00922181
                                                                                                                                                                                                                                                              Gu Y, Nguyen C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           developmental disorder; ss.
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                                                                                                                                                                                                                                                                                                               WPI; 2003-423107/40.
                                                                                                                                                                                                             (AEOM-) AEOMICA INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EP1281758-A2.
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EP1281758-A2
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                                                    05-FEB-2003
                                                                                                                                                                                                                                                                 Shannon M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADB02413;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention relates to novel human zinc finger-containing proteins and their coding sequences: MDZ3, MDZ4, MDZ7, MDZ12. MDZ3 is concoded at chromosome 7q22.1, MDZ4 is encoded at chromosome 6p21.3-22.2, MDZ7 is encoded at chromosome 6p21.3-22.2, MDZ7 is encoded at chromosome 16p11.2 and MDZ12 is encoded at chromosome 15q26.1. The MDZ3, MDZ4, MDZ7, and MDZ12 sequences are useful in therapy, or in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3. MDZ4, MDZ1, e.g. cancer or developmental disorders. The nucleic caused by altered expression of MDZ3, MDZ4, MDZ7, or MDZ12. The nucleic caused by altered expression of MDZ3, MDZ4, MDZ7, or MDZ12. The nucleic caused by altered expression of MDZ3, MDZ4, MDZ7, or MDZ12. The nucleic acids can also be used as probes to detect and characterize gross alterations in MDZ3, MDZ4, MDZ7, or MDZ12 genetic locus. The probes are useful in constructing microarrays for measuring gene expression. The proteins are useful as therapeutic agents for gene therapy or as proteins are useful as therapeutic agents for gene therapy or as
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                     Cytostatic; immunostimulant, gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ12; chromosome 7q22.1; chromosome 6p21.3-22.2; chromosome 16p11.2; chromosome 15q26.1; cancer; developmental disorder; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New zinc finger-containing proteins and nucleic acids, useful in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3, MDZ4, MDZ7 or MDZ12, e.g. cancer.
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0.8%; Score 13.8; DB 1; Length 17;

Best Local Similarity 88.2%; Pred. No. 1.9e+02;

Matches 15; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Shannon M, Gu Y, Nguyen C;
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RESULT 353

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Gaps

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WO200281494-A1
                                                                                                                                     Blatt L, M
Draper K,
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                                                                                             (DRAP/) I
(ROBE/) I
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                        (MACE/)
(MCSW/)
(MORR/)
(PAVC/)
(LEEP/)
(RIBO-)
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ACD61087
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 proteins and their coding sequences: MD23, MD24, MD212. MD23 is encoded at chromosome 7q22.1, MD24 is encoded at chromosome 7q22.1, MD24 is encoded at chromosome 7q22.1, MD24 is encoded at chromosome 16p11.2 and MD212 is encoded at chromosome 15p12.2 and MD212 is encoded at chromosome 15p21.3-22.2, MD24 is encoded at chromosome 15p21.3 and MD212 is encoded at chromosome 15q26.1. The MD23, MD24, MD27, and MD212 sequences are useful in therapy, or in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MD23, associated with decreased or increased expression or activity of MD23, associated with decreased or increased expression or activity of MD23, caused by altered expression of MD23, MD24, MD27, or MD212. The nucleic caused by altered expression of MD23, MD24, MD27, or MD212 genetic locus. The probes are alterations in MD23, MD24, MD27, or MD212 genetic locus. The probes are useful in constructing microarrays for measuring gene expression. The proteins are useful as therapeutic agents for gene therapy or as
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Nucleic acid molecule, Hepatitis C virus, HCV, Hepatitis B virus, HBV; RNA stability, RNA expression, RNA synthesis, antisense; enzymatic nucleic acid, hammerhead ribozyme; DNAzyme, inozyme; inzyme; amberzyme; G-cleaver ribozyme; decoy molecule; aptamer; HBV reverse transcriptase; Enhancer I region; viral replication; degemerative; disease state, HBV infection; Wire failure; hepatocellular carcinoma; hepatotropic; cytostatic; virucide; antiinflammatory; substrate; ss.
                                                                             New zinc finger-containing proteins and nucleic acids, useful in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3, MDZ4, MDZ7 or MDZ12, e.g. cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                            present invention relates to novel human zinc finger-containing
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                                                                                                                                                                                                                                                                                                                                                                                                                            0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
ative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                   Seguence 17 BP; 3 A; 4 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                                                                                Example 8; SEQ ID NO 3399; 103pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HCV DNAzyme substrate sequence #632.
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08-JUN-2001; 2001US-0087478.
08-JUN-2001; 2001US-0296876P.
24-OCT-2001; 2001US-0335059P.
05-DEC-2001; 2001US-0337055P.
                         Gu Y, Nguyen C;
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Best Local Similarity 88.2
Matches 15; Conservative
(AEOM-) AEOMICA INC.
                                                     WPI; 2003-423107/40.
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                           Shannon M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ACD58046;
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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymatic nucleic acids such as hammerhead ribozymes, DNAzymes, incymes, zinzymes, amberzymes, and G-cleaver ribozymes. DNAzymes, concept acid decoy molecules and G-cleaver ribozymes. Also disclosed are nucleic acid substances and G-cleaver ribozymes. Also disclosed transcriptase and/or HBV reverse transcriptase primer sequences, as well so oligonucleotides that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV cymes and HBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies directed against HBV, and compounds that methods of the invention are useful for the treatment of degenerative and methods of the invention are useful for the treatment of degenerative and expression such as cirrhosis, liver failure, and hepatocellular carcinoma. The present sequence represente a substrate for one of the HCV branching or minus strand DNAzyme sequences disclosed in the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
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                                                                                                                                                                                                                                                                                                                                                                                                          Lee P;
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                                                                                                                                                                                                                                                                                                                                                                                                               Mcswiggen J, Morrissey D, Pavco P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 17 BP; 2 A; 1 C; 7 G; 0 T; 7 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 1; Page 245; 387pp; English.
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RIBOZYME PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     Roberts E;
                                          BLATT L.
MACEJAK D.
MCSWIGGEN J.
MORRISSEY D.
                                                                                                                                                                                                                                                                                                                                                                                                               Macejak D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2003-229207/22
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                                                                                                                                                                                                                                                                                                                             ROBERTS E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hepatitis C virus
                                                                                                                                                                                                                                                                              DRAPER K.
                                                                                                                                                                                                 PAVCO P.
                                                                                                                                                                                                                                            LEE P.
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                                                                                                                                                                                                                                                                                                                                                             the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymatic nucleic acids such as hammerhead ribozymas. DNAzymes, inczymes, zinzymes, and G-cleaver ribozymes. Also disclosed are nucleic acid decoy molecules and aptamers that bind to HBV reverse transcriptase and/or HBV reverse transcriptase primer sequences, as well as oligonucleotides that specifically bind the Enhancer I region of HBV BNA. The nucleic acids may be used to modulate the expression of HBV genes and HBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies directed against HBV, and compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        that modulate the expression and/or replication of HCV. The compounds and methods of the invention are useful for the treatment of degenerative and disease states related to HBV and HCV infection, replication and gene expression such as circhosis, liver failure, and hepatocellular carcinoma. The present sequence represents a substrate for one of the HCV DNAzyme or minus strand DNAzyme sequences disclosed in the present
                                                                                                                                                                                                                                                                                      Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Nucleic acid molecule, Hepatitis C virus; HCV; Hepatitis B virus; HBV;
                                                                                                                                                                                                                                                                                                                                                    present invention relates to nucleic acid molecules which modulate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.8%; Score 13.8; DB 1; Length 17; 52.9%; Pred. No. 1.9e+02; ve 6; Mismatches 2; Indels
                                                                                                                                                                                                                                  Ъ,
                                                                                                                                                                                                                                  Pavco
                                                                                                                                                                                                                                  Morrissey D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 17 BP; 3 A; 5 C; 2 G; 0 T; 7 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HCV minus strand DNAzyme substrate sequence #735.
                                                                                                                                                                                                                                   Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                Claim 1; Page 272; 387pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 689 GAGGCCTCACTTCTTCT 705
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BP.
                                                                08-JUN-2001; 2001US-00877478.
08-JUN-2001; 2001US-0296876P.
24-OCT. 2001; 2001US-0337055P.
05-DEC-2001; 2001US-0337055P.
                                  26-MAR-2002; 2002WO-US009187
                                                       2001US-00817879
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ilarity 52.9%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ACD62816 standard; RNA; 17
                                                                                                                        RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                  Macejak D,
Roberts E;
                                                                                                                                           MACEJAK D.
MCSWIGGEN J.
MORRISSEY D.
                                                                                                                                                                                                                                                                  WPI; 2003-229207/22
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Matches 9, Conserv
                                                                                                                                                                                       LEE P.
DRAPER K.
ROBERTS E.
                                                                                                                                                                                                                                  Macejak
                                                                                                                                                                              AVCO P.
                                                                                                                                 BLATT L
                                                        26-MAR-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        24-SEP-2003
             17-0CT-2002
                                                                                                                                                                                                                                  Blatt L, Draper K,
                                                                                                                                                                                                                                                                                                              infection.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                           (PAVC/)
(LEEP/)
(DRAP/)
(ROBE/)
                                                                                                                                 (BLAT/)
(MACE/)
(MCSW/)
(MORR/)
                                                                                                                     (RIBO-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 357
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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or the synthesis, expression and/or stability of Hepatitis C virus (HCV) or and enzymatic nucleic acids such as hammerhead ribozymes, DNAzymes, and enzymatic nucleic acids such as hammerhead ribozymes, DNAzymes, inozymes, zinzymes, amberzymes, and G-cleaver ribozymes, DNAzymes, or are nucleic acid decoy molecules and g-ptamers that bind to HBV reverse transcriptase primer sequences, as well transcriptase and/or HBV reverse transcriptase primer sequences, as well compounds and/or HBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies directed against HBV, and compounds the methods of the invention are useful for the treatment of degenerative and disease states related to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular carcinoma. The present sequence represents a substrate for one of the HCV present or minus strand DNAzyme sequences disclosed in the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
stability, RNA expression, RNA synthesis, antisense;
matic nucleic acid, hammerhead ribozyme; DNAzyme; inozyme; zinzyme;
                                               enzymatic unicate arctic memorate and amberzyme, decor molecule, aptamer; amberzyme, G-cleaver ribozme, decor molecule, aptamer; HBV reverse transcriptase; Enhancer I region; viral replication; degenerative; disease state; HBV infection; HCV infection; cirrhosis; liver failure; hepatocellular carcinoma; hepatotropic; cytostatic; virucide; antiinflammatory; substrate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             P;
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88.2%; Pred. No. 1.9e+02;
iive 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ď,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mcswiggen J, Morrissey
                               enzymatic nucleic acid; hammerhead ribozyme;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 1; Page 288; 387pp; English.
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08-UUN-2001, 2001US-00877478.
08-UUN-2001, 2001US-0296876P.
24-OCT-2001, 2001US-0335059P.
05-DEC-2001, 2001US-0337055P.
                                                                                                                                                                                                                                                                                                                                                                                                                       26-MAR-2002; 2002WO-US009187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RIBOZYME PHARM INC.
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Roberts E;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BLATT L.
MACEJAK D.
MCSWIGGEN J.
MORRISSEY D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2003-229207/22.
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nes 15; Conserv
                                                                                                                                                                                                                                        Hepatitis C virus.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PAVCO P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LEE P.
DRAPER
                                                                                                                                                                                                                                                                                                   WO200281494-A1
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                                                                                                                                                                                                                                                                                                                                                               17-0CT-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Blatt L, I
Draper K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               infection.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (MORR/)
(PAVC/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (DRAP/)
(ROBE/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (RIBO-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (BLAT/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (MACE/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (MCSM/)
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Matches
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New nucleic acid encoding human prostate membrane-specific antigen, useful e.g. for treatment of tumors and viral infection, also related polypeptide and antibodies.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention relates to murine oligonucleotides (ACC62754-ACC68806), which are associated with tumour suppression, tumour reversion, apoptoesis and virus resistance. The oligonucleotides are useful as (1) as probes and primers for detecting, identifying, quantifying and/or amplifying nucleic acid, e.g. as one component of a gene chip; in vitro as (anti) sense reagents; and (2) for production of recombinant polypeptides. The oligonucleotides are useful for preparation of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell degeneration,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cytostatic, antiviral; neuroprotective, nootropic; neuroleptic; ss; primer; probe; tumour suppression; tumour reversion; apoptosis; virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
                                                                                                                                                                                                                                                                                                                                                                                New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.
                                                                                                                                 tumour suppression; tumour reversion; apoptosis; virus resistance;
viral disease; tumour; cell degeneration; cancer; Alzheimer's disease;
schizophrenia; ss.
                                                                                                                       Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; murine;
                                                                                               Murine oligonucleotide associated with tumour supression, SEQ ID 4884.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        specifically cancer but also Alzheimer's disease and schizophrenia
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.8%; Score 13.8; DB 1; Length 17;
38.2%; Pred. No. 1.9e+02;
Ve 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Tumour suppression/reversion associated nucleotide #50.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Seguence 17 BP; 5 A; 4 C; 2 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; Page 602; 738pp; French
                                                                                                                                                                                                                                                                                                                                   Tuijnder M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1551 GATCCTGCACTCTAACA 1567
                        ACC67637 standard; DNA; 17 BP.
                                                                                                                                                                                                                                                                                                           (MOLE-) MOLECULAR ENGINES LAB.
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                                                                                                                                                                                                                                                           17-SEP-2002; 2002WO-IB004210.
                                                                                                                                                                                                                                                                                    17-SEP-2001; 2001FR-00011979.
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                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity 88.2 (es 15, Conservative
                                                                                                                                                                                                                                                                                                                                   Telerman A, Amson R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (revised)
                                                                                                                                                                                                                                                                                                                                                           WPI; 2003-333167/31.
                                                                                                                                                                                                            WO2003025176-A2.
                                                                                                                                                                                   Mus musculus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18-DEC-2003
04-DEC-2003
                                                                      01-JUL-2003
                                                                                                                                                                                                                                    27-MAR-2003
                                               ACC67637;
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RESULT 358
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ADB39727/c
              ACC67637
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Disclosure; Page 37; 771pp; French

Tuijnder M;

Telerman A, Amson R, WPI; 2003-441574/41.

(MOLE-) MOLECULAR ENGINES LAB

17-SEP-2002; 2002WO-IB004219. 17-SEP-2001; 2001FR-00011981.

WO2003040369-A2 Homo sapiens.

diagnosis.

15-MAY-2003

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free invention relates to the isolation of 6327 nucleotide sequences, fragments of at least 15 consecutive nucleotides of these nucleotides, a sequence having at least 80% identity, after optimal alignment, with the nucleotides, or the complement, or corresponding RNA, of the nucleotides. The nucleotides are used as probes or primers for detecting, identifying, quantifying and/or amplifying nucleic acids, as in vitro sense and antisense sequences, of nucleotides involved in tumour suppression or reversion, apoptosis and or viral resistance, to produce recombinant polypeptides, and to prepare transgenic animals, as recombined models. The nucleotides (also vectors containing the vectors), the encoded polypeptides and antibodies (Ab) against the polypeptide are useful for prevention and/or treatment or its infections or diseases characterized by development of tumours or call degeneration (e.g. Alzheimer's disease or schizophrenia).

Analysis of the expression of the nucleotides can be used for diagnosis and both or prognosis of these diseases. The nucleotides and polypeptides can be used for diagnosis and only properties and polypeptides.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 tumour suppression; tumour reversion; apoptosis; virus resistance;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   and or prognosis of these diseases. The nucleotides and polypeptialso be used to screen for their specific interactive molecules, potentially useful for treating diseases associated with abnormal
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 13.8; DB 1; Length 1 Pred. No. 1.9e+02; 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              expression of the nucleotides.
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24-APR-2001; 2001US-0286137P.
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                                                Nyce JW,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
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                                                                                                                                                                                                                                                    in the phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses. The invention may be useful for the development of compounds with a cytostatic, virucide, neuroprotective, nootropic or neuroleptic activity. The DNA sequences may be useful as probes and primers for detecting, indentifying, quantifying and/or amplifying nucleic acid, for example as one component of a gene chip, in virto as antisense reagents and for production of recombinant polypeptides. The invention may therefore be useful for preparation of planaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell degeneration, specifically cancer but also Alzheimer's disease and schizophrenia. The present sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                       New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         antiinflammatory steroid; ubiquinone; antiinflammatory; antiallergic; antiasthmatic; hypotensive; immunosuppressive; cytostatic; gene therapy; antisense gene therapy; respiratory; lung; adenosine sensitivity; adenosine receptor; bronchodilation; bronchoconstriction; lung allergy;
                                                                                                                                                                                                                                             This invention relates to novel isolated nucleic acid sequences involved
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antisense; lung dysfunction; nasal airway dysfunction;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human adenosine Al receptor antisense fragment no.34.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17 BP; 5 A; 4 C; 2 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            lung inflammation; respiratory disease; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                               ftp.wipo.int/pub/publishedpct_sequences
                                                                                                                                                                                                                      Disclosure; SEQ ID NO 484; 30pp; French.
                                                                                                                       Tuijnder M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1567
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BP
                                                                                               (MOLE-) MOLECULAR ENGINES LAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 GATCCTGTACTCTAATA 17
                                               17-SEP-2002; 2002WO-IB004523.
                                                                       17-SEP-2001; 2001FR-00011980.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         23-APR-2002; 2002WO-US013135.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1551 GATCCTGCACTCTAACA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                              and transfected cells.
                                                                                                                       Telerman A, Amson R,
                                                                                                                                              WPI; 2003-313354/30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 15; Conserv
WO2003025177-A2
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                         27-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABZ94171;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human;
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The invention relates to a novel pharmaceutical composition, which has a first active agent comprising an oligonucleotide antisense to the initiation codon, coding region, 5' or 3' end genemic flanking regions, 5' and 3' intron-exon junctions, or regions within 2-10 nucleotides of junctions of genes encoding a polypeptide associated with lung and/or nasal airway dysfunction and a second active agent comprising an entilflammatory steroid and ubiquinone. A composition of the invention has antiinflammatory, antiallergic, antiacthmatic, hypotensive, immunosuppressive, and cytostatic activity. The composition may have a use in antisense gene therapy. The composition is useful for treating or preventing a respiratory, lung or malignant disease or condition, also for enhancing the prophylactic or therapeutic respiratory effect of an antisensory steroid in a subject, for reducing or depleting levels of, or reducing sensitivity to adenosine, reducing levels of ubiquinone or lung surfactant in a subject's tissue, or treating bronchoconstriction, lung inflammation, lung allergies, or a respiratory disease or condition. Note: The sequence data for this patent is not represented in the printed specification, but was obtained in electronic format directly from WIPO
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                                                                                                                                                                                                                                                                                      Pharmaceutical composition for treating ailments associated with impaired respiration, has oligo(s) antisense to specific gene(s) or its corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  antiinflammatory steroid; ubiquinone; antiinflammatory; antiallergic; antiasthmatic; hypotensive; immunosuppressive; cytostatic; gene therapy; antisense gene therapy; respiratory; lung; adenosine sensitivity; adenosine receptor; bronchodilation; bronchoconstriction; lung allergy; lung inflammation; respiratory disease; ds.
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                                                                                   Pabalan J, Aguilar D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
ative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human adenosine Al receptor antisense fragment no.910.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; SEQ ID NO 9413; 872pp; English.
                                                                                        Katz E,
                                                                           Li Y, Sandrasagra A, K
Tang L, Shahabuddin S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1530 GCCCAGCCTCTCCCCGC 1546
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(EPIG-) EPIGENESIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             047/c
ABZ95047 standard; DNA; 17
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                                                                                                                                                                                                               WPI; 2003-229219/22.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
ses 15; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                              ubiquinone.
                                                                                                                       Miller S,
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Fosnaugh K;

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Novel enzymatic nucleic acid that down-regulates expression of neurite growth inhibitor receptor, prostaglandin D2 receptor, IkappaB kinase or protein kinase PKR genes, for treating cancer and inflammatory disease.
                                                                                                                                                          Blatt L, Chowrira B, Haeberli P, Mcswiggen J,
                                                            05-APR-2001; 2001US-00827395.
29-MAY-2001; 2001US-0294412P.
28-AUG-2001; 2001US-0315315P.
                              03-APR-2002; 2002WO-US010512
                                                                                                                          (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                        WPI; 2003-058513/05.
17-0CT-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to a novel pharmaceutical composition, which has a first active agent comprising an oligonucleotide antisense to the intistion codon, coding region, 5' or 3' end genomic flanking regions, 5' and 3' intron-exon junctions, 5' or 1' end genomic flanking regions, 5' and 3' intron-exon junctions, or regions within 2-10 nucleotides of junctions of genes encoding a polypeptide associated with lung and/or nasal airway dysfunction and a second active agent comprising an antiinflammatory steroid and ubiquinone. A composition of the invention has antiinflammatory, antiallergic, antiasthmatic, hypotensive, immunosuppressive, and cytostatic activity. The composition may have a cuse in antisense gene therapy. The composition is useful for treating or preventing a respiratory lung or therapeutic respiratory effect of an autiinflammatory steroid in a subject, for reducing or depleting levels of or reducing sensitivity to adenosine, reducing levels of adenosine receptor, producing bronchodilation, increasing levels of abiquinone or lung surfactant in a subject's tissue, or treating bronchoconstriction, lung aurfactory disease or condition. Note: The sequence data for this patent is not represented in the printed specification, but was obtained in electronic format directly from WIPO cat fib. wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                      Pharmaceutical composition for treating ailments associated with impaired respiration, has oligo(s) antisense to specific gene(s) or its corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       antisense oligonucleotide; neurite growth inhibitor; NOGO; prostaglandin D2 receptor; PTGDR; IkappaB kinase; IKK; protein kinase PKR; cerebrovascular accident; central nervous system injury; CMS injury; spinal cord injury; cancer; melanoma; lymphoma; glioma; inflamatory disease; rheumatoid arthritis; restenosis; asthma; Crohn's disease; diabetes; obesity; autoimmune disease; lupus; multiple sclerosis; transplant rejection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         graft rejection; ischaemia; reperfusion; glomerulonephritis; sepsis; allergy; asthma; allergic rhinitis; atopic dermatitis; Human IKK-gamma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                             Katz E, Pabalan J, Aguilar D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.8%; Score 13.8; DB 1; Length 17;
18.2%; Pred. No. 1.9e+02;
ve 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Seguence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                         Disclosure; SEQ ID NO 10289; 872pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human IKK-gamma substrate sequence #515.
                                                            Li Y, Sandrasagra A, Ke
Tang L, Shahabuddin S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1530 GCCCAGCCTCTCCCCGC 1546
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                              (EPIG-) EPIGENESIS PHARM INC
24-APR-2001; 2001US-0286137P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             88.2%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 0.8
Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                           WPI; 2003-229219/22.
                                                            Li Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200281628-A2
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                                                                                                                                                                                         ubiquinone
                                                                           Miller S,
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                                                             Nyce JW,
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The invention comprises nucleic acids (e.g. antisense oligonucleotides)
that down regulate the expression or inhibit the function of a receptor
for a neurite growth inhibitor, NOGO, prostaglandin D2 receptor (PTGDR),
IkappaB kinase (IKK), or protein kinase PKR. The nucleic acids of the
invention are useful for treating: cerebrovascular accident, central
nervous system (CNS) injury, spinal cord injury, cancer (e.g. melanoma,
Iymphoma or glioma), inflammatory disease (e.g. rheumatoid arthritis,
restenosis or asthma), Crohn's disease, diabetes, obesity, aucoimmune
disease, lupus, multiple sclerosis, transplant/graft rejection,
ischaemia/reperfusion injury, glomerulonephritis, sepsis, and allergic
conditions (e.g. asthma, allergic rhinitis or atopic dermatitis). The
nucleic acids of the invention are also useful for down-regulating the
expression of a target gene and as a diagnostic tool to examine genetic
drifts and mutations within diseased cells or to detect the presence of a
target RNA in a cell. The present RNA sequence represents a human IKK-
gamma substrate sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gape
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 17 BP; 3 A; 6 C; 3 G; 0 T; 5 U; 0 Other;
Claim 59; SEQ ID NO 1538; 317pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PKR substrate sequence #1370.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            697 ACTICITCTITCCCAAG 713
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nes 10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200281628-A2
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Fosnaugh

Haeberli P, Mcswiggen J,

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The invention comprises nucleic acids (e.g. antisense oligonucleotides)
that down regulate the expression or inhibit the function of a receptor
for a neurite growth inhibitor, NOGO, prostaglandin DZ receptor (PTGDR),
IKappaB kinase (IKK), or protein kinase PKR. The nucleic acids of the
invention are useful for treating: cerebrovascular accident, central
nervous system (CNS) injury, spinal cord injury, cancer (e.g. melanoma,
largoma or glioma), inflammatory disease (e.g. rheumatoid arthritis,
restenosis or asthma), Crohn's disease, diabetes, obesity, autoimmune
disease, lupus, multiple solerosis, transplant(graft rejection,
conditions (e.g. asthma, allergic rhinitis or atopic dermatitis). The
nucleic acids of the invention are also useful for down-regulating the
expression of a target gene and as a diagnostic tool to examine genetic
drifts and mutations within diseased calls or to detect the presence of a
carma-surhers converse.
                                                                                                                                                                                                                                                                                     Novel enzymatic nucleic acid that down-regulates expression of neurite growth inhibitor receptor, prostaglandin D2 receptor, IkappaB kinase or protein kinase PKR genes, for treating cancer and inflammatory disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 17 BP; 2 A; 6 C; 3 G; 0 T; 6 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                        Claim 59; SEQ ID NO 1913; 317pp; English.
                                                                                05-APR-2001; 2001US-00827395.
29-MAY-2001; 2001US-0294412P.
28-AUG-2001; 2001US-0315315P.
                                            03-APR-2002; 2002WO-US010512
                                                                                                                                                                   (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       gamma substrate sequence.
                                                                                                                                                                                                         Chowrira B,
                                                                                                                                                                                                                                                 WPI; 2003-058513/05.
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      17-0CT-2002
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                                                                                                                                                                                                         Blatt L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                    The invention comprises nucleic acids (e.g. antisense oligonucleotides)
that down regulate the expression or inhibit the function of a receptor
for a neurite growth inhibitor, NOGO, prostaglandin DZ receptor (PrCDR),
KappaB kinase (IKK), or protein Kinase PKR. The nucleic acids of the
invention are useful for treating: cerebrovascular accident, central
nervous system (CNS) injury, spinal cord injury, cancer (e.g. melanoma,
lymphoma or glioma), inflammatory disease (e.g. rheumatoid arthritis,
restenosis or asthma), Crohn's disease, diabetes, obesity, autoimmune
disease, lupus, multiple sclerosis, transplant/graft rejection,
ischaemia/reperfusion injury, glomerulonephritis, sepsis, and allergic
conditions (e.g. asthma, allergic rhinitis or atopic dermaticis). The
nucleic acids of the invention are also useful for down-regulating the
cypression of a target gene and as a diagnostic tool to examine genetic
drifts and mutations within diseased calls or to detect the presence of
target RNA in a cell. The present RNA sequence represents a human PRR
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                                                                                                                                                                                                                                                                                 Novel enzymatic nucleic acid that down-regulates expression of neurite growth inhibitor receptor, prostaglandin D2 receptor, IkappaB kinase or protein kinase PKR genes, for treating cancer and inflammatory disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 antisense oligonucleotide; neurite growth inhibitor; NOGO; prostaglandin D2 receptor; PTGDR; IkappaB kinase; IKK; protein kinase PKR; cerebrovascular accident; central nervous system injury; CNS injury; spinal cord injury; cancer; melanoma; lymphoma; glioma; inflammatory disease; rheumatoid arthritis; restenoisis; asthma; Crohn's disease; diabetes; obeatur; autolimmune disease; lupus; multiple sclerosis; transplant rejection; graft rejection; ischaemia; reperfusion; glomerulonephritis; sepsis; allergic rhinitis; atopic dermatitis; Human IKK-gamma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                       Haeberli P, Mcswiggen J, Fosnaugh K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 17 BP; 8 A; 6 C; 1 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                  Claim 59; SEQ ID NO 3789; 317pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human IKK-gamma substrate sequence #890.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1400 TGTGGATGTTGCTTTTG 1416
                                                                            05-APR-2001; 2001US-00827395.
29-MAY-2001; 2001US-0294412P.
28-AUG-2001; 2001US-0315315P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADL48380 standard; RNA; 17 BP.
                                        03-APR-2002; 2002WO-US010512
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17 rerecarerrearrere 1
                                                                                                                                                               RIBO-) RIBOZYME PHARM INC.
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Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                     Chowrira B,
                                                                                                                                                                                                                                             WPI; 2003-058513/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   substrate sequence.
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  17-OCT-2002
                                                                                                                                                                                                     Blatt L,
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                                         Gaps
                                       ö
0.8%; Score 13.8; DB 1; Length 17; 2.9%; Pred. No. 1.9e+02; ve 6; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                           Human NOGO receptor amberzyme substrate sequence #40.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NOGO receptor amberzyme; substrate; ss.
                                                                           698 CTTCTTCTTTCCCAAGT 714
                                                                                               1 cuncugcugucccaagu 17
                                                                                                                                                                                                            BP.
             Local Similarity 52.9%;
les 9; Conservative
                                                                                                                                                                                                          ADM09485 standard; RNA; 17
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Jarvie T,
                                                                                                                                               leukemia.
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(CARL/)
(MCSW/)
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that down regulate the expression or inhibit the function of a receptor
for a neurite growth inhibitor, NOGO, prostaglandin Dz receptor (PTGDR),
IKappa Kinase (IKK), or protein Kinase PKR. The nucleic acids of the
invention are useful for treating: cerebrowascular accident, central
nervous system (CMS) injury, spinal cord injury, cancer (e.g. melanoma,
lymphoma or glioma), inflammatory disease (e.g. rheumatoid arthritis,
restenosis or asthma), Crohn's disease, (e.g. rheumatoid arthritis,
restenosis or asthma), Crohn's disease, (e.g. rheumatoid arthritis,
cischemnia/reperfusion injury, glomerulonephritis, sepsis, and allergic
conditions (e.g. asthma, allergic rhinitis or atopic dermatitis). The
nucleic acids of the invention are also useful for down-regulating the
expression of a target gene and as a diagnostic tool to examine genetic
drifts and mutations within diseased cells or to detect the presence of a
target RNA in a cell. The present RNA sequence represents a human NOGO
receptor amberzyme substrate sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                      ď
                                                                                                                                                                  Novel enzymatic nucleic acid that down-regulates expression of neurite growth inhibitor receptor, prostaglandin D2 receptor, IkappaB kinase or protein kinase PKR genes, for treating cancer and inflammatory disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; 88; GRID; Grb2-related with insert domain; hammerhead ribozyme;
NCH ribozyme; G-cleaver ribozyme; Zinzyme; DNAzyme; amberzyme; Inozyme
hairpin ribozyme; tissue rejection; graft rejection; leukaemia.
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                                                                                                                      Fosnaugh K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.8%; Score 13.8; DB 1; Length 17;
70.6%; Pred. No. 1.9e+02;
ve 3; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Seguence 17 BP; 2 A; 7 C; 5 G; 0 T; 3 U; 0 Other;
                                                                                                                    Haeberli P, Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human GRID mRNA substrate sequence #440.
                                                                                                                                                                                                                    Claim 9; SEQ ID NO 880; 317pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1117 CCTTGCTGGAGCAGCTG 1133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADMS4165 standard; mRNA; 17 BP
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                                             05-APR-2001; 2001US-00827395.
29-MAY-2001; 2001US-0294412P.
28-AUG-2001; 2001US-0315315P.
                      03-APR-2002; 2002WO-US010512
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     70.68;
                                                                                            (RIBO-) RIBOZYME PHARM INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 70.6
Matches 12; Conservative
                                                                                                                   Chowrira B,
                                                                                                                                            WPI; 2003-058513/05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (JARV/) JARVIS T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US2003134806-A1
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17-0CT-2002
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                                                                                                                    Blatt L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADM54165;
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The invention relates to a nucleic acid molecule that down-regulates expression of Grb2-related with insert domain (GRID) gene, e.g. a hammerhead ribozyme, NCH ribozyme, G-cleaver ribozyme, Zinzyme, DNAzyme, Camberzyme, Inozyme or hairpin ribozyme. Also include are a mammalian cell including the novel nucleic acid molecule, reducing GRID activity in a cell by contacting the cell with the novel nucleic acid molecule, treating a patient having a condition associated with the level of GRID creating a patient having a condition associated with the level of GRID core including the cell with the novel nucleic acid molecule, cleaving RNA of a GRID gene by contacting the cell with the novel nucleic acid molecule, an expression vector comprising a nucleic acid sequences (encoding at least the novel nucleic acid molecule in a manner that allows its expression), a mammalian cell including the expression vector and an enzymatic nucleic acid molecule that cleaves RNA derived from a GRID gene. The nucleic acid molecule is useful for treating a condition associated with the level of GRID, e.g. tissue/graft rejection and leukaemia. The present sequence is a target region for the enzymatic nucleic acids of the invention.
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                                                                                                                                                                                                                                                                                                                                                   New nucleic acid molecule that down-regulates expression of Grb2-related with insert domain (GRID) gene, useful for treating a condition associated with the level of GRID, e.g. tissue/graft rejection and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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                                                                                                                                                                                            Ellis JH;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2; Indels
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                                                                                                                                                                                                Hamblin PA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 17 BP; 3 A; 4 C; 8 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 13.8; DB 1;
Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 4; SEQ ID NO 440; 74pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CTCCCCGCTCTGGATCC 1555
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                                                                                                                                                                                            Carlowitz IV,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity 88.2
hes 15; Conservative
CARLOWITZ I V. MCSWIGGEN J.
                                                                     (HAMB/) HAMBLIN P A. (ELLI/) ELLIS J H.
                                                                                                                                                                                                                                                                         WPI; 2003-829646/77.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  29-JUL-2004
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                                                                                                                                                                                                                                                                                                                                                                            This invention describes a novel composition (a) a first active agent, comprising oligonucleotides, effective for alleviating bronchoonstruction, respiratory tract inflammation, allergies and reducing adenosine sensitivity, levels of adenosine (A) or (A) receptors, curfactant depletion or hyposecretion, when administered to a mammal. The oligonucleotides are derived from a gene encoding or regulating expression of a target polypebtide associated with lung airway or lung expression of a target polypeptide associated with lung airway or lung capression of a target polypeptide associated with lung airway or lung expression of a target polypeptide associated with lung airway or lung capred containers, (b) the oligonucleotides, (c) a delivery device, in separate containers, (b) the oligonucleotides, (c) instructions for adding a carrier and for use of the kit. The composition of the invention and allergie, antiinflammatory, antiasthmatic, analgesic, hypotensive, immunosuppressive and cytostatic activity, is a beta-adrenergic agonist. The composition is useful for preventing or treating a respiratory, lung or malignant disease. The administered composition comprises oligo and is administered to reduce the amount of target polypeptide present in the lungs rhe pulmonary obstruction, and/or bronchoconstruction and/or lung inflammation, allergies and/or surfactant hypoproduction are associated in the lungs.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     with a disease or condition such as pulmonary vasoconstriction, inflammation, allergies, asthma, impeded respiration, respiratory distress syndrome, pain, cystic fibrosis, allergic rhinitis, pulmonary hypertension, emphysema, chronic obstructive pulmonary disease, pulmonary transplantation rejection, pulmonary infections, bronchitis or cancer. The reduced adenosine content of the anti-sense oligos corresponding to thymidines present in the target RNA serves to prevent the breakdown of the oligonuclectides into products that free adenosine into the system e.g., lung, brain, heart, kidney, etc, tissue environment and thereby, to prevent any unwanted effects due to it
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C
                                                                                                                                                                                                     Pharmaceutical composition for treating asthma, has antisense oligonucleotide containing less percentage of adenosine, targeted tnucleic acids associated with lung airway or lung dysfunction, and bronchodilating agent.
                                                                        Pabalan J, Aguilar D;
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                                                                              Katz E,
                                                                                                                                                                                                                                                                                                                                      Claim 15; SEQ ID NO 9413; 763pp; English.
                                                                        Li Y, Sandrasagra A, K
Tang L, Shahabuddin S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1530 GCCCAGCCTCTCCCCGC 1546
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                          (EPIG-) EPIGENESIS PHARM INC.
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                                                                                                                                                    WPI; 2003-093058/08.
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                                                                           Nyce JW, I
Miller S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABD18895;
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This invention describes a novel composition (a) a first active agent, comprising oligonucleotides, effective for alleviating bronchoconstriction, respiratory tract inflammation, allergies and bronchoconstriction, respiratory tract inflammation, allergies and conditioned adenosine sensitivity, levels of adenosine (A) or (A) receptors, surfactant depletion or hyposecretion, when administered to a mammal. The oligonucleotides are derived from a gene encoding or regulating expression of a target polypeptide associated with lung airway or lung dysfunction or cancer and can be anti-tale sense to the corresponding mRNA. The invention also describes a kit, that comprises: (a) a delivery of device, in separate containers, (b) the oligonucleotides, (c) instructions for adding a carrier and for use of the kit; The composition of the invention has antiallergic, antiinflammatory, antiasthmatic, analgesic, hypotensive, immunosuppressive and cytostatic activity, is a composition comprises oligo and is administered to reduce the production or tracting a respiratory, lung or malignant disease. The administered composition comprises oligo and is administered to reduce the production or availability, or to increase the degradation of the target mRNA or to reduce the amount of target polypeptide present in the lungs. The pulmonary obstruction, and/or bronchoconstriction and/or lung with a disease or condition such as pulmonary vasconstriction, contraction, and/or bronchoconstriction and sease or condition such as pulmonary disease, pulmonary disease, pulmonary disease, pulmonary obstruction, pulmonary infections, bronchitis or cancer. The reduced adenosine content of the anti-sense oligos corresponding to thymidians present in the target RNA serves to prevent the breakdown of the oligonucleotides into products that free adenosine into the system e.g., lung, brain, heart, kidney, etc, tissue environment and thereby, to the corresponding to the corr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     invention describes a novel composition (a) a first active agent
emphysema; chronic obstructive pulmonary disease; cancer; bronchitis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pharmaceutical composition for treating asthma, has antisense oligonucleotide containing less percentage of adenosine, targeted tnucleic acids associated with lung airway or lung dysfunction, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pabalan J, Aguilar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.8%; Score 13.8; DB 1; Length 17;
18.2%; Pred. No. 1.9e+02;
ve 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 15; SEQ ID NO 10289; 763pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Katz E,
                                       pulmonary transplantation rejection; ds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Li Y, Sandrasagra A, Ke
Tang L, Shahabuddin S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1530 GCCCAGCCTCTCCCCGC 1546
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                                                                                                                                                                                                                                                                                                                                                                      23-APR-2002; 2002WO-US013143.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (EPIG-) EPIGENESIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  24-APR-2001; 2001US-0286036P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        88.2%;
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Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            bronchodilating agent
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                                                                                                                                                                                                             WO200285309-A2
                                                                                                                              Homo sapiens
                                                                                                                                                                                                                                                                                                31-0CT-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Nyce JW, L
Miller S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17
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The present invention relates to the identification and characterisation of nucleotides that encode obese receptor (ObB), a receptor protein that participates in mammalian body weight regulation. The invention is useful for diagnosis and prognosis of body weight disorders including obesity, cachexia, anorexia, bulimia, AIDS (acquired immune deficiency syndrome) - related and cancer-related wasting. The present sequence is mouse genomic bNA amplifying famj5312-derived PCR primer. This primer is used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New nucleic acid encoding an Ob receptor protein is useful to provide treatment for weight disorders, particularly anorexia, cachexia, bulimia, AIDS-related wasting or cancer-related wasting, or obesity.
AIDS-related wasting; cancer-related wasting; acquired immune deficiency syndrome; therapy; murine; PCR; primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           human; single nucleotide polymorphism; SNP; ss; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                      White DW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 17 BP; 3 A; 6 C; 2 G; 6 T; 0'U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                      Culpepper JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 8; SEQ ID NO 25; 112pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     676
                                                                                                                                                                                                     95US-00562663.
95US-00566622
95US-00566485.
95US-00570142.
95US-00593153.
96US-00599455.
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                                                                                                                                                                   2002US-00079625
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               08-MAR-2002; 2002JP-00064373.
                                                                                                                                                                                                                                                                                                                                                                                                   (MILL-) MILLENNIUM PHARM INC
                                                                                                                                                                                                                                                                                                                                                             97US-00864564
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     660 CACTACCTGCCCTTCAG
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                                                                                                                                                                                                                                                                                                                                                                                                                                        Tepper RI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2004-050987/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
                                                                                        US2002182676-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  JP2003259875-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                        Tartaglia LA,
                                                                                                                                                                   19-FEB-2002;
                                                                                                                                                                                                                                                                11-DEC-1995;
28-DEC-1995;
                                                                                                                                05-DEC-2002
                                                                                                                                                                                                       27-NOV-1995;
04-DEC-1995;
                                                                                                                                                                                                                                               08-DEC-1995
                                                                                                                                                                                                                                                                                                        22-JAN-1996
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03-SEP-1996
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                                                                                                                                                                                                                                                                                                                                                             28-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADK98279;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                       Mus sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 372
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention relates to the identification and characterisation of nucleotides that encode obese receptor (ObR), a receptor protein that participates in mammalian body weight regulation. The invention is useful for diagnosis and prognosis of body weight disorders including obesity, cachexia, anorexia, bullimia, AIDS (acquired immune deficiency syndrome)-related and cancer-related wasting. The present sequence is mouse genomic DNA amplifying famj5312-derived PCR primer. This primer is used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New nucleic acid encoding an Ob receptor protein is useful to provide treatment for weight disorders, particularly anorexia, cachexia, bulimia, AIDS-related wasting or cancer-related wasting, or obesity.
                                                                                                          Obese receptor gene; ObR gene; body weight regulation; diagnosis; prognosis; body weight disorder; obesity; cachexia; anorexia; bullmia; AIDS-related wasting; cancer-related wasting; anorer-related wasting; acquired immune deficiency syndrome; therapy; murine; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Obese receptor gene, ObR gene, body weight regulation, diagnosis, prognosis, body weight disorder, obesity, cachexia, anorexia, bulimia,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                         Mouse genomic DNA amplifying famj5312-derived forward PCR primer #3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mouse genomic DNA amplifying famj5312-derived forward PCR primer #2
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88.2%; Pred. No. 1.9e+02;
ative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            White DW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 17 BP; 3 A; 6 C; 2 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Tepper RI, Culpepper JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 8; SEQ ID NO 27; 112pp; English.
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                                                                                                                                                                                                                                                                                                                                                         95US-005626622
95US-00566485.
95US-00569485.
95US-00591142.
96US-00599455.
96US-00638224.
96US-00708123.
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                                                                                                                                                                                                                                                                                                                          2002US-00079625
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (MILL-) MILLENNIUM PHARM INC
                                   (first entry)
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Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                               US2002182676-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            rartaglia LA,
                                                                                                                                                                                                                                                                                                                        19-FEB-2002;
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04-DEC-1995;
08-DEC-1995;
11-DEC-1995;
28-DEC-1995;
                                     11-MAR-2004
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28-MAY-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              26-APR-1996
 ADG63002;
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the treatment of HCV infections, especially in combination with type interferons. The present sequence represents a HCV DNAzyme substrate
                                                                                                                                                                                                                                                                                                            ss; enzymatic nucleic acid; RNA cleavage; hepatitis C virus; HCV; HCV infection; type I interferon; DNAzyme.
                                                                       0.8%; Score 13.8; DB 1; Length 17; 52.9%; Pred. No. 1.9e+02;
                                                 Seguence 17 BP; 3 A; 5 C; 2 G; 0 T; 7 U; 0 Other;
                                                                                                6; Mismatches
                                                                                                                                                                                                                                                                                      HCV DNAzyme substrate sequence #632.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Roberts E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1400 TGTGGATGTTGCTTTTG 1416
                                                                                                                        689 GAGGCCTCACTTCT 705
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 GAUGACUCACUUCUUCU 17
                                                                                                                                                                                                              BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      18-DEC-2000; 2000US-00740332
                                                                                                                                                                                                              ADI83386 standard; RNA; 17
                                                                                                                                                                                                                                                              03-JUN-2004 (first entry)
                                                                                                 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BLATT L.
MCSWIGGEN J.
ROBERTS E.
PAVCO P A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2004-031273/03.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (ROBE/) ROBERTS E.
(PAVC/) PAVCO P A.
(MACE/) MACEJACK D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                   Hepatitis C virus.
                                                                                                                                                                                                                                                                                                                                                                            US2003125270-A1
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                                                                                                                                                                                                                                       ADI83386;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Blatt L,
                          sequence
                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (BLAT/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (MCSM/)
                                                                                                  Matches
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                                                                                                                                                                                                    ADI83386
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Enzymatic nucleic acid molecules which specifically cleave RNA derived from hepatitis C virus (HCV), useful for the treatment of HCV infections, especially in combination with type I interferon therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to an enzymatic nucleic acid molecule which specifically cleaves RNA derived from hepatitis C virus (HCV), in which the binding arms of the enzymatic nucleic acid molecule comprises sequences complementary to any of the defined substrate sequences given in the specification. The nucleic acid molecule may be administered for
                                                                                                                                                 The present invention relates to a polynucleotide isolated from a human gene and is useful for detecting a single nucleotide polymorphism in a human gene or for diagnosing of disease. The invention enables the detection of a single nucleotide polymorphism in a human gene. The
                                                                                                                                                                                                                                                                           Gaps
                                                                       Novel polynucleotide useful for PCR amplification along with two fragment from another set of sequences, or for detecting single nucleotide polymorphism in human gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ss; enzymatic nucleic acid; RNA cleavage; hepatitis C virus; HCV; HCV infection; type I interferon; DNAzyme.
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0
                                                                                                                                                                                                                                                 0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02;
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                                                                                                                                                                                                                                                                           2; Indels
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                                                                                                                                                                                                    present sequence represents a primer of the invention
                                                                                                                                                                                                                          Sequence 17 BP; 4 A; 4 C; 7 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                           0; Mismatches
                                                                                                                        Claim 2; SEQ ID NO 7308; 2627pp; Japanese
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 1; SEQ ID NO 2161; 198pp; English.
                          (KAGA-) KAGAKU GIJUTSU SHINKO JIGYODAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HCV DNAzyme substrate sequence #2161.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Roberts E,
                                                                                                                                                                                                                                                                                                    682
                                                                                                                                                                                                                                                                                                                                                                                          BP
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  08-MAR-2002; 2002JP-00064373
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                                                                                                                                                                                                                                                                                                                  17 CTGGCATTCAGCCTGCC
                                                                                                                                                                                                                                                                                                    666 CTGCCCTTCAGCCTGCC
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                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                          15; Conservative
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ROBERTS E.
PAVCO P A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2004-031273/03.
                                                  WPI; 2004-093977/10
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MACEJACK D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Hepatitis C virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BLATT L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US2003125270-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (MCSW/) N
(ROBE/) F
(PAVC/) E
(MACE/) N
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Matches
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                                                                                                                                                                Enzymatic nucleic acid molecules which specifically cleave RNA derived from hepatitis C virus (HCV), useful for the treatment of HCV infections, especially in combination with type I interferon therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to an enzymatic nucleic acid molecule which specifically cleaves RNA derived from hepatitis C virus (HCV), in which the binding arms of the enzymatic nucleic acid molecule comprises sequences complementary to any of the defined substrate sequences given in the specification. The nucleic acid molecule may be administered for the treatment of HCV infections, especially in combination with type I interferons. The present sequence represents a HCV DNAzyme substrate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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Macejack D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17 BP; 2 A; 1 C; 7 G; 1 T; 6 U; 0 Other;
    Pavco PA,
                                                                                                                                                                                                                                                                                                                                              Claim 1; SEQ ID NO 632; 198pp; English.
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Gaps

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The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from (S1) which are conservative substitutions, and 65% identity to (S1). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle function.
                                                                                                                                                                                                                                                                                                        Human; 88; probe; myosin-like protein-l; hGDMLP-l;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
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 Length 17;
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 ; Db 1.9e+02;
0.8%; Score 13.8; DB 1;
88.2%; Pred. No. 1.9e+02;
ive 0; Mismatches 2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; SEQ ID NO 8661; Opp; English.
                                                                                                                                                                                                                                                                                   Human GDMLP-1 probe SEQ ID NO:8661
                                                                   GAGAGTGGGCAGGTCCT 109
                                                                                                                                                                                   BP.
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2001WO-US000662.
2001WO-US000663.
2001WO-US000664.
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2000US-0236359P.
2000GB-00024263.
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2001WO-US000666.
2001WO-US000667.
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2001WO-US000669
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                                                                                                  GAGAGGCCAGGTCCT
                                                                                                                                                                                   ACN71759 standard; DNA; 17
                                                                                                                                                                                                                                                   (first entry)
                                    Conservative
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JI Y.
PENN S G.
HANZEL D K.
RANK D.
CHEN W.
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                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                     US2004137589-A1.
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30-JAN-2001;
30-JAN-2001;
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05-FEB-2001;
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04-OCT-2000;
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                                    15;
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   Query Match
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(PENN/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gu Y,
                    Best Loca
Matches
                                                                                                                                                  RESULT 376
                                                                                                                                                                   ACN7175
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                                                                                                                                                                                      The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from (S1) which are conservative substitutions, and 65% identity to (S1). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                 88; probe; myosin-like protein-1; hGDMLP-1;
-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Shannon ME
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                                                                                                                                                Human GDMLP-1 probe SEQ ID NO:1895
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                              2001WO-US000661.
2001WO-US000662.
2001WO-US000663.
2001WO-US000664.
2001WO-US000666.
                                                 ACN64993 standard; DNA; 17 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000670.
05-FEB-2001; 2001US-0266860P.
25-MAY-2001; 2001US-00866108.
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2000US-0236359P.
2000GB-00024263.
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                                                                                                                   (first entry)
                                                                                                                                                                                                                  skeletal muscle function
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HANZEL D K.
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CHEN W.
                                                                                                                                                                                                                                                                                   US2004137589-A1.
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30-JAN-2001; 2 30-JAN-2001; 2 30-JAN-2001; 2 30-JAN-2001; 2

function.

(RANK/) (CHEN/) (SHAN/)

GUYY/) (PENN/)

30-JAN-2001;

30-JAN-2001; 30-JAN-2001; 30-JAN-2001; 30-JAN-2001;

27-SEP-2000;

Homo sapiens.

Human; BB hGDMLP-1

15-JUL-2004

02-DEC-2004

ACN64993

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10828394-1_1-1643.rng.sl

Page 182

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The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDWLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids fully (S1), 95% deviation from (S1) which are conservative substitutions, and antagonist of hGDWLP-1, or as an inhibitor of hGDWLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of HGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63103
                                                                                                                                                                        Sequence 17 BP; 3 A; 7 C; 4 G; 3 T; 0 U; 0 Other;
Disclosure; SEQ ID NO 9687; Opp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                 Human GDMLP-1 probe SEQ ID NO:9689.
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30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000668.
30-JAN-2001; 2001WO-US000669.
                                                                                                                                                                                                                                                  93 GAGAGTGGGCAGGTCCT 109
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2000US-0236359P.
2000GB-00024263.
2001WO-US000661.
2001WO-US000662.
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2001WO-US000665
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25-MAY-2001; 2001US-00866108
                                                                                                                                                                                                                                                                  GAGAGTGGGCCAGTCCT
                                                                                                                                                                                                                                                                                                                                        ACN72787 standard; DNA; 17
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Best Local Similarity 88.2
Matches 15; Conservative
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HANZEL D K.
RANK D.
CHEN W.
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30-JAN-2001; 2
30-JAN-2001; 2
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JI Y.
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30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
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(RANK/)
(CHEN/)
(SHAN/)
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(PENN/)
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pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                                                                     Human; 88; probe; myosin-like protein-l; hGDMLP-l;
hGDMLP-l agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
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                                                                                                 Score 13.8; DB 1; Length 17;
Pred. No. 1.9e+02;
                                                                                                                          2; Indels
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                                                                          Sequence 17 BP; 7 A; 2 C; 7 G; 1 T; 0 U; 0 Other;
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                                                                                                                         0; Mismatches
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30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000669.
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21-SEP-2000; 2000US-0234667P.
27-SEP-2000; 2000US-0236359P.
04-0CT-2000; 2000US-00024563.
30-JAN-2001; 2001WO-US000661.
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2000US-0234687P.
2000US-0236359P.
2000GB-00024263.
2001WO-US000661.
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05-FEB-2001; 2001US-0266860P.
25-MAY-2001; 2001US-00866108.
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                                                                                                                                                  268 TAGAAGAAGCCAAGAAG
                                                                                                                                                                                                                                        ACN72785 standard; DNA; 17
                                                                                                                                                                                                                                                                                        (first entry)
                                                                                            Query Match
Best Local Similarity 88.2°
Matches 15; Conservative
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HANZEL D K.
RANK D.
CHEN W.
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(RANK/)
(CHEN/)
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(PENN/)
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hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                              Gaps
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0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Chen W,
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US2004137589-A1
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30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
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30-JAN-2001;
30-JAN-2001;
                                                                                                                                    Ji Y,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     26-MAY-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21-SEP-2000;
27-SEP-2000;
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                                                                                                                                                                                                                                                                          function.
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                                                        (RANK/)
(CHEN/)
(SHAN/)
(JIYY/)
(PENN/)
                                                                                                                                    Gu Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
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                                                                                                                                                                                       The invention relates to a novel polypeptide (1) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from (S1) which are conservative substitutions and acids of antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the
                                                        Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; 88; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.9e+02; Matches 15; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                            The present sequence represents a 17-mer nucleotide, used i
invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 17 BP; 2 A; 9 C; 3 G; 3 T; 0 U; 0 Other;
                                                                                                                                                        Disclosure; SEQ ID NO 9689; Opp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human GDMLP-1 probe SEQ ID NO:8660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    91 GGGAGAGTGGGCAGGTC 107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2001WO-US000669.
2001WO-US000670.
2001US-0266860P.
2001US-00866108.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ACN71758 standard; DNA; 17 BP
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2001WO-US000663.
2001WO-US000664.
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2001WO-US000666
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                      WPI; 2004-533378/51
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21-SEP-2000;
27-SEP-2000;
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                                                                                                                   function.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from (S1) which are conservative substitutions, and standard to (S1), A polypeptide of the invention acts as a agonist antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; 88; probe; myosin-like protein-1; hGDWLP-1;
hGDWLP-1 agonist hGDWLP antagonist; hGDWLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                          Shannon ME;
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0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               invention for scanning the sequence represented in ACN63103
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2; Indels
                                                                                                                                                                       Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 17 BP; 7 A; 3 C; 6 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 13.8; DB 1;
Pred. No. 1.9e+02;
0; Mismatches 2;
                                                                                                                                                                          Rank D,
                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; SEQ ID NO 8660; Opp; English.
                                                                                                                                                                       Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human GDMLP-1 probe SEQ ID NO:8663.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  267 CTAGAAGAAGCCAAGAA 283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2000US-0234687P.
2000US-0236359P.
2000GB-00024263.
2001WO-US000661.
2001WO-US000662.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.8%;
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2001WO-US000665.
2001WO-US000666.
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nes 15; Conservative
                                                                                                                                                                          Penn SG,
PENN S G.
HANZEL D K.
RANK D.
CHEN W.
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                                                                                                                 SHANNON M E
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ACN70453;
                                                                                                                                                                                                                                                                                                                    function.
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                                                                                                                                                                                                   (RANK/)
(CHEN/)
                                                                                                                                                                                                                        (SHAN/)
                                                                                                                                                          (GUXX/)
                                                                                                                                                                                          (HANZ/)
                                                                                                                                                                               (PENN/
                                                                                                                                                                     /XXIC)
                                                                                                                                                                                                                                          Gu Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 382
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
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                                                                                                                                                                                                                                                                       The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from (S1) which are conservative substitutions, and 65% identity to (S1). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the
                                                                                                                                                                                                 Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; ss; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                           Shannon ME;
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                                                                                                                                                                                                                                                                                                                                                                                                                        Score 13.8; DB 1; Length 17;
Pred. No. 1.9e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                invention for scanning the sequence represented in ACN63103
                                                                                                                                                          Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 8 A; 2 C; 7 G; 0 T; 0 U; 0 Other;
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                                                                                                                                                           Rank
                                                                                                                                                                                                                                                      Disclosure; SEQ ID NO 8663; Opp; English
                                                                                                                                                          DK,
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30-JAN-2001; 2001MO-US000667.
30-JAN-2001; 2001MO-US000668.
30-JAN-2001; 2001MO-US000669.
30-JAN-2001; 2001MG-US000670.
05-FRB-2001; 2001US-O266800P.
25-MAY-2001; 2001US-00866108.
                                                                                                                                                           Hanzel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 270 GAAGAAGCCAAGAAGAA 286
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 GAGGAAGCCAAGAAGGA 17
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21-SEP-2000; 2000US-0234687P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity 88.2
nes 15; Conservative
                                                                                                                                                         Ji Y, Penn SG,
                                                                                                                                      SHANNON M E.
                                                                                           PENN S G.
HANZEL D K.
RANK D.
CHEN W.
                                                                                                                                                                              WPI; 2004-533378/51.
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                                                                                                                                                                                                                                    function.
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                                                                                 (JIYY/)
(PENN/)
                                                                                                      (HANZ/)
(RANK/)
(CHEN/)
(SHAN/)
                                                                        GUXY/)
                                                                                                                                                          Gu Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
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Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from (S1) which are conservative substitutions, and 55% identity to (S1). A polypeptide of the invention acts as a agonist of harmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of preventing as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63102
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hGDWLP-l agonist hGDWLP antagonist; hGDWLP inhibitor; heart disorder;
skeletal muscle function.
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38.2%; Pred. No. 1.9e+02;
lve 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; SEQ ID NO 2643; Opp; English.
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                                                                                                                                                                                                                     30-JAN-2001; 2001WO-US000670.
05-FEB-2001; 2001US-0266860P.
25-MAY-2001; 2001US-00866108.
                                         2001WO-US000662.
2001WO-US000663.
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2001WO-US000667.
                       2001WO-US000661
                                                                                     2001WO-US000664
2001WO-US000665
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ID ACN70453 standard; DNA; 17
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nes 15, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ji Y, Penn SG,
                                                                                                                                                                                                                                                                                                                                                                                                                                              SHANNON M E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-533378/51.
                                                                                                                                                                                                                                                                                                                                                      PENN S G.
HANZEL D K.
                                                                                                                                                                                                                                                                                                                                                                                                  RANK D.
CHEN W.
04-OCT-2000;
30-JAN-2001;
30-JAN-2001;
                                                                30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
                                                                                                                                                   30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
                                                                                                                                                                                                                                                                                                           GU Y.
                                                                                                                                30-JAN-2001;
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The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMIP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from (S1) which are conservative substitutions, and 55% identity to (S1). A polypeptide of the invention acts as a agonist or pharmaceutical composition of the inhibitor of hGDMIP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                  Human; 88; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Shannon ME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
ive 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Seguence 17 BP; 4 A; 3 C; 9 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Rank D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; SEQ ID NO 7485; Opp; English.
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 Human GDMLP-1 probe SEQ ID NO:7485.
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2001WO-US000663.
2001WO-US000663.
2001WO-US000665.
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30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000668.
30-JAN-2001; 2001WO-US000669.
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05-FEB-2001; 2001US-0266860P
25-MAY-2001; 2001US-00866108
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HANZEL D K.
RANK D.
CHEN W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SHANNON M E.
                                                                                                                                         US2004137589-A1
                                                                                                          Homo gapiens.
                                                                                                                                                                                                                                                                                                                                       30-JAN-2001;
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21-SEP-2000;
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(RANK/)
(CHEN/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
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88.2%; Pred. No. 1.9e+02;
ve 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; SEQ ID NO 7355; Opp; English
                                                                                                                                                                                                           2001WO-US000663.
2001WO-US000664.
2001WO-US000665.
2001WO-US000666.
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                                                                                                                     2000US-0234687P.
2000US-0236359P.
2000GB-00024263.
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2001WO-US000668.
2001WO-US000669.
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2001US-0266860P.
2001US-00866108.
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2001WO-US000662
                                                                   26-NOV-2003; 2003US-00723361
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Best Local Similarity 88.2%;
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SHANNON M E.
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HANZEL D K.
US2004137589-A1
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CHEN W.
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30-JAN-2001;
30-JAN-2001;
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25-MAY-2001;
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Gaps

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Gaps

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Indels

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Human; ss; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
 Pred. No. 1.9e+02;
); Mismatches 2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; SEQ ID NO 8568; Opp; English.
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                                                                                                                                                                   Human GDMLP-1 probe SEQ ID NO:8568
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2001WO-US000665.
2001WO-US000666.
2001WO-US000667.
2001WO-US000669.
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2001US-0266860P.
2001US-00866108.
                                                                                                       ACN71666 standard; DNA; 17 BP
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2001WO-US000663
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88.2%;
                              271 AAGAAGCCAAGAAGAAG
                                                   1 AGGAAGCCAAGAAGGAG
                                                                                                                                                02-DEC-2004 (first entry)
              15; Conservative
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HANZEL D K.
RANK D.
CHEN W.
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  Best Local Similarity
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30-JAN-2001;
30-JAN-2001;
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25-MAY-2001;
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(SHAN/)
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(PENN/)
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                                                                                     RESULT 385
              Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from (S1) which are conservative substitutions, and 55% identity to (S1). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle function.
                                                                                                    Human; ss; probe; myosin-like protein-1; hGDWLP-1;
hGDWLP-1 agonist hGDWLP antagonist; hGDWLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Shannon ME;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; SEQ ID NO 8664; Opp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hanzel DK,
                                                                                       Human GDMLP-1 probe SEQ ID NO:8664.
                                                                                                                                                                                                                                                                  2000GB-00024263.
2011MO-US000661.
2001MO-US000663.
2011MO-US000663.
2011MO-US000664.
2001MO-US0006664.
                            ACN71762 standard; DNA; 17 BP.
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2001US-0266860P.
2001US-00866108.
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2000US-0236359P.
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                                                                   (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                       , GU Y.
A./ ) JI Y.
"S,/ ) HANZEL D K.
"RANK D.
"ANNY"
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30-JAN-2001;
30-JAN-2001;
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25-MAY-2001;
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27-SEP-2000;
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                                                 ACN71762;
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(SHAN/)
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        RESULT 384
                   ACN71762
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The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 958 deviation from (S1) which are conservative substitutions, and 658 identity to (S1). A polypeptide of the invention acts as a agonist antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or
                                                                                                                                                                                          Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
Shannon ME;
     Chen W,
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0.8%; Score 13.8; DB 1; Length 17;

Query Match

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92
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                                                                                                                                      Query Match
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Matches
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preventing a disorder associated with decreased expression or activity of
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         hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                      Human; 88; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Shannon ME
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                                                           Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.9e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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                                            Sequence 17 BP; 6 A; 2 C; 6 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Rank D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; SEQ ID NO 9688; Opp; English
                                                                                                                                                                                                                     Human GDMLP-1 probe SEQ ID NO:9688
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                          30-JAN-2001; 2001MC-US000662.
30-JAN-2001; 2001MC-US000663.
30-JAN-2001; 2001MC-US000664.
30-JAN-2001; 2001MC-US000666.
30-JAN-2001; 2001MC-US000666.
30-JAN-2001; 2001MC-US0006667.
30-JAN-2001; 2001MC-US000669.
30-JAN-2001; 2001MC-US000669.
30-JAN-2001; 2001MC-US000669.
50-JAN-2001; 2001MC-US000669.
                                                                                                  292 AGGATGCCCTAAATGAG 308
                                                                                                                                                                В.
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2000US-0236359P.
2000GB-00024263.
2001WO-US000661.
                                                                                                               AGGATGACCTGAATGAG 17
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                                                                                                                                                                ACN72786 standard; DNA; 17
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HANZEL D K.
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CHEN W.
                                                                                                                                                                                                                                                                                            US2004137589-A1
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                                                                                                                                                                                                                                                                                                                                                                   27-SEP-2000;
                                                                                                                                                                                                                                                                           Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                          21-SEP-2000;
                                                                                                                                                                                                   02-DEC-2004
                                                                                                                                                                                                                                                                                                             15-JUL-2004
                                                                                                                                                                                 ACN72786:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (CHEN/) (CHEN/) (CHEN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eunction.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HANZ/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GUXX/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (PENN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (JIXX/)
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The invention relates to a novel polypeptide (I) comprising a sequence (SI) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (SI), 95% deviation from (SI) which are conservative substitutions, and 65% identity to (SI). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention describes an isolated human period (Drosophila) homologue 1, (PER1) polynuclectide (I) comprising a sequence which is a polymorphic variant for a reference sequence (ABL52077) for the PER1 gene or its fragment, or a polymorphic variant of a reference sequence (ABL52078) for a PER1 cDNA or its fragment. The present invention also describes methods for genotyphing and haphotyphing the PER1 gene of an individual. (I) is useful in studying the expression and function of PER1, and in expressing PER1 protein for use in screening for candidate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel isolated human period Drosophila homolog 1 polynucleotide, useful for therapeutic purposes, for studying the expression and function of the polynucleotide, and for expressing the homolog.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /*tag= a
/note= "polymorphic site indicated by an ambiguity base"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; period (Drosophila) homologue 1; PER1; polymorphic variant;
polymorphic site; genotyping; haplotyping; circadian rhythm regulation;
single nucleotide polymorphism; SNP; gene; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gapa
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human PER1 allele specific oligonucleotide primer SEQ ID NO:48.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.8%; Score 13.8; DB 1; Length 17;
18.2%; Pred. No. 1.9e+02;
ve 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                       invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 17 BP; 2 A; 8 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GGAGAGTGGGCAGGTCC 108
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        88.2%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
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1es 15; Conservative
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The invention relates to single nucleotide polymorphisms in the human interleukin 8 receptor beta (1L8RB) gene. A method for haplotyping the LiBRB gene in an individual comprises identifying the nucleotide at one or more polymorphic sites and determining whether one of the copies of the gene is defined by one of the ILBRB haplotypes given in the specification or whether both copies are defined by a haplotype pair. This method is useful in genotyping, whereby all possible haplotype pair. This method is useful in genotypes. An association between a trait and a haplotype or haplotype of the haplotype or haplotype of the haplotype or haplotype pair in a reference population, where a higher haplotype or haplotype pair. ILBRB and its corresponding DNA are used
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drugs to treat diseases related to PER1 activity. (I) is useful for therapeutic purposes. A recombinant non-human organism transformed or transfected with (I) can be used for studying expression of the PER1 isogenes in vivo, for in vivo screening and testing of drugs targeted against PER1 protein, and for testing the efficacy of therapeutic agents and compounds for disorders associated with circadian rhythm regulation. The present sequence represents an allele specific oligonucleotide primer for human PER1, which is used in the exemplification of the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; interleukin 8 receptor beta; IL8RB; ss; antiinflammatory; probe; haplotyping; haplotype pair; single nucleotide polymorphism; genotyping; gene therapy; drug screening; chronic obstructive pulmonary disease; inflammatory disease; sequencing primer; PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New polymorphic variants comprising interleukin-8 receptor beta (ILBRB) isogene, useful in expressing ILBRB protein for use in screening for candidate drugs to treat diseases related to ILBRB activity, e.g.
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                                                                                                                                                                                                                                                                  0.8%; Score 13.6; DB 1; Length 15; 92.9%; Pred. No. 1.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human IL8RB gene allele-specific oligonucleotide probe #11.
                                                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                         Sequence 15 BP; 1 A; 3 C; 8 G; 2 T; 0 U; 1 Other;
                                                                                                                                                                                                                                                                                                                1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Choi JY,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 16; Page 13; 74pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GENA-) GENAISSANCE PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                           1500 CCAGGCCCCAGCCT 1513
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
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Best Local Similarity 92.9
Matches 13; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       inflammatory disorders.
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                                                                                                                                                                                    invention
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for studying the expression and function of ILBRB, for use in screening for candidate drugs to treat diseases related to ILBRB activity, such as chronic obstructive pulmonary diseases and other inflammatory disorders. The sequences are also useful for studying the effect of variation on the biological activity of ILBRB as well as on the binding affinity of andidate drugs targeting ILBRB. Sequences AAS95525-AAS95579 represent primers used to detect ILBRB gene polymorphisms
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Bnzymatic nucleic acid; ribozyme; trans cleavage; inhibition; gene expression; downregulation; interleukin-5; IL-5; ICAM-1; intercellular adhesion molecule; rel A; tumour necrosis factor; TNF-alpha; respiratory syncytial virus; RSV; bcr-abl; oncogene; translocation; chronic myelogenous leukaemia; CML; cancer; Philadelphia chromosome; inflammation; autoimmune disease; atherosclerosis; myocardial infarction; atroke; restenosis; transplant rejection; rheumatoid arthritis; psoriasis; myocardial; kawaeaki disease; septic shock; HIV; human immunodeficiency virus; acquired immune deficiency syndrome; AIDS;
                                                                                                                                                                                                                                                                                                                                                              Gaps
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                                                                                                                                                                                                                                                                                                     0.8%; Score 13.6; DB 1; Length 15; 92.9%; Pred. No. 1.3e+02; ved 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                  Sequence 15 BP; 5 A; 4 C; 4 G; 1 T; 0 U; 1 Other;
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9405-0022795.
9405-00227958.
9405-00228041.
9405-00245736.
9405-00291932.
9405-00291932.
9405-00291932.
9405-00303039.
9405-00303039.
9405-00311749.
9405-00311749.
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94US-00334847.
94US-00337608.
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                                                                                                                                                                                                                                                                                                                                                                                                                       197 CAACGGGGTGAAAC 210
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       CAACGGGRTGAAAC 14
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(first entry)
                                                                                                                                                                                                                                                                                                                               Local Similarity 92.9
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10-NOV-1994;
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07-APR-1997
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                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 389
                                                                                                                                                                                                                                                                                                                                                                       Matches
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Peptide nucleic acid probes for detection of ribosomal nucleic acid of mycobacteria - allow differentiation between species of tuberculosis complex and others and can penetrate cell membranes without pretreatment.
                                                                                                                                                                                                                                                                                 This is the nucleotide sequence of the peptide nucleic acid (PNA) probe used in the method of the invention, to detect tibosomal nucleic acid of mycobacteria. The probes are used, in situ or in vitro, for detection of the Mycobacterium tuberculosis complex (MTC), specifically M. tuberculosis, and especially in sputum samples, but also in other body fluids, blopsy specimens, foods, soil, air and water. Particularly, they are used to diagnose, stage or monitor infection, or for identification of drug-resistant strains (which generally have mutations in rRNA)

    .15
    +tag= a
    /note= "This sequence contains a polyamide backbone instead of a deoxyribose backbone"

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                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.8%; Score 13.4; DB 1; Length 15; 93.3%; Pred. No. 1.46+02; tive 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                      Claim 22; Page 67; 106pp; English.
                                                                                                                            Mollerup TA:
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                             96DK-00001096.
96DK-00001156.
97DK-00000512.
97WO-DK000425
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97DK-00000512
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity 93.3
                                                                                                                          Stender H, Lund K,
                                                                                                                                                         WPI; 1998-240831/21.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mycobacterium sp.
                                                                                            DAKO-) DAKO AS
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modified_base
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18-OCT-1996;
05-MAY-1997;
 03-OCT-1997;
                               04-OCT-1996;
18-OCT-1996;
                                                              05-MAY-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAV31970;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
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Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 391
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present sequence represents a preferred target sequence for an enzymatic nucleic acid (i.e. a ribozyme) which cleaves relA mRNA at the nucleotide base position indicated in the DE line. The relA gene product is a subunit of the transcriptional regulator NF-kappaB and is implicated specifically in the induction of inflammatory responses. Regions of the mRNA that do not form secondary folding structures and that contain potential hammerhead and hairpin ribozyme cleavage sites were identified by computer analysis. Ribozymes directed against these mRNA sequences were designed and synthesised with modifications that improve their nuclease resistance. The ribozymes are designed to cleave the target sequences and thereby inhibit relA expression, making them potentially useful for treating rheumatoid arthritis, restenosis and asthma as well as for increasing tolerance to transplanted tissues. The potential cimmunosuppressive properties of a ribozyme that cleaves relA mRNA means that uses are limited to local delivery, acute indications or ex vivo treatment. (Updated on 25-MAR-2003 to correct PI field.)
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                                                                                                         o DT, Chowrira B, Direnzo A, Draper KG, Dudycz LW;
Karpeisky A, Kisich K, Matulic-Adamic J, Mcswiggen JA;
Pavco P, Beigleman L, Sullivan SM, Sweedler D, Thompson JD;
                                                                                                                                                                                                                       Ribozymes having modified bases and methods for producing them - for use in inhibiting disease related genes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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/trag= a
/note= "This sequence contains a polyamide backbone
instead of a deoxyribose backbone"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.8%; Score 13.4; DB 1; Length 15; 86.7%; Pred. No. 1.4e+02; ative 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Seguence 15 BP; 2 A; 8 C; 3 G; 0 T; 2 U; 0 Other;
                                                                                                                                                         Woolf T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                       Claim 2; Page 226; 407pp; English.
                                                                                                                                                         Wincott FE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Peptide nucleic acid probe 112
94US-00345516.
94US-00357577.
94US-00363233.
95US-00380734.
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                                                                          (RIBO-) RIBOZYME PHARM INC.
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Matches 13; Conservative
                                                                                                                                                                                       WPI; 1995-351090/45.
                                                                                                                                                         Usman N,
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modified_base
                16-DEC-1994;
                                            30-JAN-1995;
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                                                                                                           Stinchcomb
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Modak A,
Tracz D,
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Gaps

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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Peptide nucleic acid probes for detection of ribosomal nucleic acid of mycobacteria - allow differentiation between species of tuberculosis complex and others and can penetrate cell membranes without pretreatment.
                              Peptide nucleic acid probes for detection of ribosomal nucleic acid of mycobacteria - allow differentiation between species of tuberculosis complex and others and can penetrate cell membranes without pretreatment.
                                                                                              This is the nucleotide sequence of the peptide nucleic acid (PNA) probe used in the method of the invention, to detect ribosomal nucleic acid of mycobacteria. The probes are used, in situ or in vitro, for detection of the Mycobacterium tuberculosis complex (MTC), specifically M. tuberculosis, and especially in sputum samples, but also in other body fluids, biopsy specimens, foods, soil, air and water. Particularly, they are used to diagnose, stage or monitor infection, or for identification
                                                                                                                                                                                                                                       Gaps

    15
        /*tag= a
        /*tag= "This sequence contains a polyamide backbone instead of a deoxyribose backbone"

                                                                                                                                                                                                                                                                                                                                                                                                                        Peptide nucleic acid; PNA; probe; hybridisation; mycobacteria;
ribosomal nucleic acid; rRNA; drug-resistant strain; mutation; ss.
                                                                                                                                                                        drug-resistant strains (which generally have mutations in rRNA)
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                                                                                                                                                                                                               / Match 0.8%; Score 13.4; DB 1; Length 15; Local Similarity 93.3%; Pred. No. 1.4e+02; les 14; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                            Sequence 15 BP; 2 A; 2 C; 1 G; 10 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
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                                                                            Claim 22; Page 67; 106pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mollerup TA;
                                                                                                                                                                                                                                                                                                                                                                                                    Peptide nucleic acid probe 110
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96DK-00001156.
97DK-00000512.
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             WPI; 1998-240831/21.
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modified_base
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05-MAY-1997;
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Matches
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                                                                                                                                                                                                                                                                                                                             AAV31967/c
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differentially expresent tag sequences of transcripts that are differentially expressed in colorectal cancer, in pancreatic cancer, or in both. The tag sequences can be used to identify genes by matching the tag to a gen data base member, or by using the tag sequences as probes to isolate unidentified genes from cDNA libraries. The tag sequences can also be used in a method for diagnosing colon or pancreatic cancer in a sample suspected of being neoplastic. The method comparises comparing the level of at least one transcript in a first sample of a tissue to a being neoplastic and the second sample is a colonic tissue suspected of being neoplastic and the second sample is a normal human colonic tissue. The transcript is identified by a tag selected from AAX30947-31815. The methods of the invention can be used in the diagnosis, prognosis and
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This is the nucleotide sequence of the peptide nucleic acid (PNA) probe used in the method of the invention, to detect tibosomal nucleic acid of the probes are used, in situ or in vitro, for detection of the Mycobacterium tuberculosis complex (MTC), specifically Metuberculosis, and especially in sputum samples, but also in other body fluids, biopsy specimens, foods, soil, air and water. Particularly, they are used to diagnose, stage or monitor infection, or for identification of drug-resistant strains (which generally have mutations in rRNA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Tag sequence; colorectal cancer; pancreatic cancer; colon cancer; diagnosis; prognosis; treatment; ss.
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Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                           / Match 0.8%; Score 13.4; DB 1; Length 15; Local Similarity 93.3%; Pred. No. 1.4e+02; nes 14; Conservative 0; Mismatches 1; Indels
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IGF-I oligonucleotide #1808.
30-MAR-2001 (first entry)
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                                                                                                                                                                                                                                   21-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                          inflammation.
                                                                                                                                           Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAX30947-31815 represent tag sequences of transcripts that are differentially expressed in colorectal cancer, in pancreatic cancer, or not. The tag sequences can be used to identify genes by matching the tag to a gen date base member, or by using the tag sequences as probes to isolate unidentified genes from cDNA libraries. The tag sequences can also be used in a method for diagnosing colon or pancreatic cancer in a sample suspected of being neoplastic. The method comprises comparing the level of at least one transcript in a first sample of a tissue to a second sample, where the first sample is a colonic tissue suspected of being neoplastic and the second sample is a normal human colonic tissue. The transcript is identified by a tag selected from AAX30947-31815. The methods of the invention can be used in the diagnosis, prognosis and
                                                                                                                                                                                                                                                                                                                                                                                               Use of isolated gene transcripts - useful for developing products for the diagnosis, prognosis and treatment of cancers, particularly colon and pancreatic cancer.
                                                                                                                                                                 Transcript tag sequence increased in pancreatic and colorectal cancer.
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Gaps
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Indels
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Mismatches
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                                                                                               AAX31728 standard; DNA; 15 BP.
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                    807 GCTCAGCAGGCCATG
14; Conservative
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                                                                                                                                                                                                                        Homo sapiens
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Best Local Simil
Matches 14; (
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Матсрев
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             skin disorders. The method comprises contacting the skin with an antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1 receptor, IGF binding protein [IGFBP]-2 or IGFBP], which is capable of inhibiting or reducing growth factor mediated cell proliferation, inflammation and/or other disorders. The present sequence is an oligonucleotide which can be used to design the antisense oligonucleotide which can be used to design the antisense oligonucleotide so the present invention (see AAF45151 and AAF45153-F45161). The method is useful for amaliorating the effects of psoriasis, ichthyosis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, ichthyosis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, hyperneovascular condition such as a neovascular condition such as a neovascular condition of the retina, brain or skin, growth factor-mediated malignancies, other sclerotic disease, kidney disease, hyperproliferation of the inside of blood
Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic; cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid; skin disorder; Insulin-like Growth Factor I receptor; IGF-1; pityriasis; IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris; growth factor mediated call proliferation; ichthypsis; serborrhoes; ruba; keratosis; neoplasia; scleroderma; wart; skin cancer; sclerodic disease; hyperneovascular condition; hyperplasia; kidney disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present invention relates to a method for ameliorating the effects of
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 15 BP; 4 A; 3 C; 6 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 13.4; DB 1;
Pred. No. 1.4e+02;
0; Mismatches 1;
                                                                                                                                                                                                                                                                      neovascular condition of the retina; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Edmondson SR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (MURD-) MURDOCH CHILDRENS RES INST.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 8; Page 72; 201pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
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nes 14; Conservative
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                                                                                                                                                                                                                      (serial analysis of gene expression) tag comprising a single stranded probe containing at least 10 consecutive nucleotides. SAGE tags, are diagnostic and prognostic markers of cancer, especially of the colon and pancreas. ABK31900-ABK22770 represent human colon and pancreatic cancer
                                                                                                                                                                                                         purified human nucleic acid (I)
                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; colon cancer; colorectal cancer; pancreatic cancer; SAGE tag; serial analysis of gene expression; diagnostic; prognostic; probe; cancer marker; ss.
                                                                                                                                                                                                                 has the same sequence as a mRNA found in humans and is a SAGE
Human, colon cancer; colorectal cancer; pancreatic cancer; SAGE ta
serial analysis of gene expression; diagnostic; prognostic; probe;
                                                                                                                                                                tags, useful as
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                                                                                                                                                                                                                                                                                        Score 13.4; DB 1; Length 15; Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                         1; Indels
                                                                                                                                                                         diagnostic markers for cancer, also derived probes
                                                                                                                                                                                                                                                                         Sequence 15 BP; 1 A; 5 C; 6 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                 New human nucleic acid containing specific SAGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Zhou W;
                                                                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                 Zhou
                                                                                                                                                                                                         The invention relates to an isolated,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Zhang L,
                                                                                                                                  Zhang L,
                                                                                                                                                                                          Disclosure; Col 87; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                   #174
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                                                                                                                                                                                                                                                                                                                                    15 GCCCAGCAGGCCATG 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kinzler KW,
                                                                                                                                  Kinzler KW,
                                                                                                                                                                                                                                                          SAGE tags of the invention
                                                                                                                  SNINGO UNIV JOHNS HOPKINS
                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 93.3
Matches 14; Conservative
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                                                                                                                                                  WPI; 2002-153821/20.
                  cancer marker; ss
                                                                                                                                 Vogelstein B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Vogelstein B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20-MAY-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    VINU ( OLYU)
                                 Homo sapiens
                                                 US6333152-B1
                                                                                 20-MAY-1998;
                                                                                                  20-MAY-1998;
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                                                                  25-DEC-2001.
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                                                                                                                                                                                                                                                                                                                                                                    RESULT 397
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The present invention relates to enzymatic nucleic acids which specifically cleave RNA derived from Hepatitis C virus (HCV). The enzymatic nucleic acid or ribozyme is in a hammerhead (HH) or hairpin (HP) motif where the binding arms comprise sequences complementary to one of the substrate sequences defined in the specification. The HCV ribozymes are useful for modulating the expression and/or replication of
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                                                                                                                                                    The invention relates to an isolated, purified human nucleic acid (I) that has the same sequence as a mRNA found in humans and is a SAGE (serial analysis of gene expression) tag comprising a single stranded probe containing at least 10 consecutive nucleotides. SAGE tags, are diagnostic and prognostic markers of cancer, especially of the colon and pancreas. ABX31900-ABX32770 represent human colon and pancreatic cancer SAGE tags of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Enzymatic nucleic acid; RNA cleavage; Hepatitis C virus infection, HCV ribozyme; HCV expression; HCV replication; cirrhosis; virucide; liver failure; hepatocellular carcinoma; HCV infection; drug therapy; type I interferon; interferon alpha; interferon beta; cytostatic; ss; interferon gamma; consensus interferon; hepatotropic; antiinflammatory.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
New human nucleic acid containing specific SAGE tags, useful as diagnostic markers for cancer, also derived probes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ouery Match 0.8%; Score 13.4; DB 1; Length 15; Best Local Similarity 93.3%; Pred. No. 1.4e+02; Matches 14; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hepatitis C virus (HCV) ribozyme related RNA sequence #74.
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                                                                                                       Disclosure; Col 25; 161pp; English
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ROBERTS B.
PAVCO P A.
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(ROBE/) ROBERTS B.
(PAVC/) PAVCO P A.
(MACE/) MACEJACK D
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US2002082225-A1.
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RESULT 400
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HCV. They can be used to treat cirrhosis, liver failure and/or hepatocellular carcinoma. The HCV ribozymes are also useful for treating ac ondition associated with HCV infection in conjunction with one or more other drug therapies, particularly type I interferon, especially interferon alpha, beta or gamma or consensus interferon. The present sequence represents a RNA sequence of unknown function. Note: The present sequence is given in the sequence data but is not mentioned elsewhere in the specification. The complete sequence data for this patent was obtained in electronic format directly from the USPTO web site at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present invention relates to enzymatic nucleic acids which specifically cleave RNA derived from Hepatitis C virus (HCV). The enzymatic nucleic acid our ribozyme is in a hammerhead (HH) or hairpin (HP) motif where the binding arms comprise sequences complementary to one of the substrate sequences defined in the specification. The HCV ribozymes are useful for modulating the expression and/or replication of HCV. They can be used to treat cirrhosis, liver failure and/or hepatocellular carcinoma. The HCV ribozymes are also useful for treating a condition associated with HCV infection in conjunction with one or more
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New ribozymes targeting RNA derived from hepatitis C virus inhibit viral replication and are useful to treat hepatitis C virus infections and cirrhosis, liver failure or hepatocellular carcinoma.
                                                                                                                                                                                                                                                                                                                                                                                                                     Enzymatic nucleic acid, RNA cleavage, Hepatitis C virus infection, HCV ribosyme, HCV expression, HCV replication, cirrhosis, virucide, liver failure, hepatocoellular carcinoma, HCV infection, drug therapy, type I interferon, interferon alpha, interferon beta, cytostatic, ss; interferon consensus interferon, hepatotropic, antiinflammatory.
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                                                                                                                                                                        0.8%; Score 13.4; DB 1; Length 15;
86.7%; Pred. No. 1.4e+02;
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                                                                                                                                                                                                                                                                                                                                                                                              Hepatitis C virus (HCV) ribozyme related RNA sequence #73.
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                                                                                                                     seqdata.uspto.gov/psipsDIDEntry.html
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                                                                                                                                                                                                                                                                                                                   ABX01804 standard; RNA; 15 BP.
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PAVCO P A.
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The invention relates to methods and compositions of detection and characterisation of nucleic acid sequences and sequence changes. One method of detection and characterisation comprises: (a) providing: (l) a folded target having a DNA sequence comprising at least 1 double stranded region and at least 1 single stranded region; and (ii) at least 1 probe complementary to at least a portion of the folded target; and (b) mixing the target and probes so that the probe hybridises to form a probe complex. Also provided are methods for determination of structure formation in nucleic acid targets; for analysing folded nucleic cide target and for analysis of nucleic acid structures. The methods can be used for the detection and characterisation of nucleic acid sequences to detect the presence of pathogenic nucleic acid sequences indicative of an infection, the presence of variants or alleles of mammalian genes associated with disease and cancers, and the mammalian genes associated with disease and cancers, and the cidentification of the source of nucleic acids found in forensic samples, as well as in paternity determinations. The methods allow simultaneous
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other drug therapies, particularly type I interferon, especially interferon alpha, beta or gamma or consensus interferon. The present sequence represents a RNA sequence of unknown function. Note: The present sequence is given in the sequence data but is not mentioned elsewhere in the specification. The complete sequence data for this parent was obtained in electronic format directly from the USPTO web site at
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                                                                                                                                                                                                                                                                                                                                                                                     Length 15;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence ID# 68 from patent specification WO9850403.
                                                                                                                                                                                                                                                                                                        Sequence 15 BP; 3 A; 8 C; 3 G; 0 T; 1 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                          / Match 0.8%; Score 13.4; DB 1;
Local Similarity 86.7%; Pred. No. 1.46+02;
nes 13; Conservative 1; Mismatches 1;
                                                                                                                                                                                                                              seqdata.uspto.gov/psipsDIDEntry.html
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1508 CAGCCTCCAGGCCCC 1522
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98US-00034205,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    97US-00851588
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAV70490 standard; DNA; 16
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Anderson TA, Dahlberg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 1998-610317/51.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              05-MAY-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   08-APR-1999
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03-MAR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12-NOV-1998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAV70490;
                                                                                                                                                                                                                                                                                                                                                                                         Query Match
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analysis of both strands (e.g. the sense and antisense strands) and are ideal for high-level multiplexing. The products produced are amenable to qualitative, quantitative and positional analysis. The methods may be performed in solution or in the solid phase (e.g. on a solid support). The methods are powerful in that they allow for analysis of longer tragments of nuclaic acid than current methodologies. The present sequence represents the sequence no:68 in the specification for which no information is provided
               8888888888888
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Sequence 16 BP; 3 A; 8 C; 4 G; 1 T; 0 U; 0 Other;

ö Gaps ö 0.8%; Score 13.4; DB 1; Length 16; 93.3%; Pred. No. 1.7e+02; ive 0; Mismatches 1; Indels Query Match Best Local Similarity 93.3³ Matches 14, Conservative

1508 CAGCCTCCAGGCCCC 1522 2 czeccreczeczec 16 ದ್ದ ò

RESULT 401 AAV70489

AAV70489 standard; DNA; 16 AAV70489;

ВЪ.

(first entry) 08-APR-1999 Sequence ID# 67 from patent specification WO9850403.

Nucleic acid detection; nucleic acid characterisation; hybridisation; infection; disease; cancer; forensic; paternity; multiplexing; ss.

Unidentified

WO9850403-A1.

12-NOV-1998

98WO-US003194. 05-MAY-1998;

05-MAY-1997;

97US-00934097. 97US-00934097. 98US-00034205. 19-SEP-1997; 03-MAR-1998; (THIR-) THIRD WAVE TECHNOLOGIES INC.

Brow MAD; Neri BP, Fors L, Prudent JR, JE; Dong F, Lyamichev VI, Anderson TA, Dahlberg

WPI; 1998-610317/51.

Detection and characterisation of nucleic acid sequences - by mixing a folded target and one or more probes to form a probe/folded target complex and detecting and characterising the complexes.

Disclosure; Page 180; 279pp; English.

The invention relates to methods and compositions of detection and characterisation of nucleic acid sequences and sequence changes. One method of detection and characterisation comprises: (a) providing: (i) a folded target having a DNA sequence comprising at least 1 double stranded region and at least 1 single stranded region; and (ii) at least 1 probe complementary to at least a portion of the folded target; and (b) mixing the target and probes so that the probe hybridises to form a probe form a probe complex. Also provided are methods for determination of structure formation in nucleic acid targets; for analysing folded nucleic caid structures. The methods can be used for the detection and characterisation of nucleic acid sequences to detect the presence of pathogenic nucleic acid sequences to detect the presence of variants or alleles of mammalian genes associated with disease and cancers, and the identification of the source of nucleic acids found in forensic samples,

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The present sequence represents a polynucleotide that is able to form a triple helix with a double stranded sequence. Cytosine bases in the present can be replaced with 5-methylcytosine for increased triplex cability. The present sequence is used in the assay of the invention, where it can be part of the anchor DNA or reporter DNA sequence. The assay comprises adding a sample containing double-stranded DNA test sequences to an aqueous medium containing at least one complex of anchor DNA, attached to a solid support, and reporter DNA, where either a part of the anchor DNA or reporter DNA, where either a part of the anchor DNA or reporter DNA, where either a part of the anchor DNA or reporter DNA, where either a part of the anchor DNA or reporter DNA, which is detected as an indication of displacement of the reporter DNA which is detected as an indication of the presence of the DNA test sequence. Triplex formation results in sequences, particularly for identification of bacteria (by detecting genes for ribosomal RNA) in clinical samples, but also detection of oncogenes and Hepatitis B virus
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Triplex formation; DNA detection; triple helix; identification; bacteria;
      as well as in paternity determinations. The methods allow simultaneous analysis of both strands (e.g. the sense and antisense strands) and are ideal for high-level multiplexing. The products produced are amenable to qualitative, quantitative and positional analysis. The methods may be performed in solution or in the solid phase (e.g. on a solid support). The methods are powerful in that they allow for analysis of longer fragments of nucleic acid than current methodologies. The present sequence represents the sequence no:67 in the specification for which no information is provided
as in paternity determinations. The methods allow simultaneous
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Assay of genetic sequences based on triplex formation from double stranded analyte - and hybrid of anchor and reporter sequences, with reporter released if triplex formation occurs, used e.g. to identify
                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Triple helix third strand of dystrophin gene nucleotides 4480-4495.
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0
                                                                                                                                                                                                                                                0.8%; Score 13.4; DB 1; Length 16; 93.3%; Pred. No. 1.7e+02;
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                                                                                                                                                                                                                                                                                                0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAX14645 standard; DNA; 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         24-MAR-1999 (first entry)
                                                                                                                                                                                                                                                                        Local Similarity 93.3 les 14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 1999-130384/11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  oncogene; virus; ss.
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ABL46100 standard; DNA; 16
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RESULT 404
ABL46100
ID ABL461
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention describes a method for identifying oligonucleotides secondary structure. The method comprises amplifying a target nucleic acid having at least one accessible and one inaccessible site. Primers that form an extension product are identified as the oligonucleotides which can interact with the folded target mucleic acid. Oligonucleotides from the present invention can be used in novel detection methods for clinical disgnostic purposes, including the detection and identification of pathogenic organisms (e.g. HIV). The method allows the ability to rapidly analyse nucleic acid structures. ABL46034 to ABL46367 represent sequences used in the exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Identifying oligonuclectides hybridizing to nucleic acids containing secondary structure, useful in clinical diagnosis, comprises identifying primers that interact with the target to form an extension product under
                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                           Nucleic acid accessible hybridisation site; detection; hybridisation; characterisation; identification; nucleic acid structure; diagnosis; PCR primer; probe; ss.
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                                 Query Match 0.8%; Score 13.4; DB 1; Length 16; Best Local Similarity 93.3%; Pred. No. 1.7e+02; Matches 14; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.8%; Score 13.4; DB 1; Length 16; 93.3%; Pred. No. 1.7e+02; ative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Dong F, Neri BP, Vener IT;
 Sequence 16 BP; 0 A; 4 C; 1 G; 11 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 16 BP; 3 A; 8 C; 4 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                           Hepatitis C virus PCR primer SEQ ID NO:68.
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                                                                                                                                                                                                                                  ABL46101 standard; DNA; 16 BP.
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                                                                                                        271 AAGAAGCCAAGAAGA 285
                                                                                                                                        15 AAGAAGCAAAGAAGA 1
                                                                                                                                                                                                                                                                                                       26-APR-2002 (first entry)
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Best Local Similarity 93.3
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        amplification conditions.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2002-049698/06.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hepatitis C virus.
Synthetic.
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                                                                                                                                                                                                                                                                       ABL46101;
                                                                                                                                                                                           RESULT 403
ABL46101
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The present invention describes a method for identifying oligonucleotides with desired hybridisation properties to nucleic acid targets containing secondary structure. The method comprises amplifying a target nucleic acid having at least one accessible and one inaccessible site. Primers that form an extension product are identified as the oligonucleotides which can interact with the folded target nucleic acid. Oligonucleotides from the present invention can be used in novel detection methods for clinical diagnostic purposes, including the detection and identification of pathogenic organisms (e.g. HIV). The method allows the ability to repaidly analyse nucleic acid structures. ABL46034 to ABL46387 represent sequences used in the exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Identifying oligonucleotides hybridizing to nucleic acids containing secondary structure, useful in clinical diagnosis, comprises identifying primers that interact with the target to form an extension product under amplification conditions.
                                                                                                                           Nucleic acid accessible hybridisation site; detection; hybridisation; characterisation; identification; nucleic acid structure; diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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93.3%; Pred. No. 1.7e+02;
iive 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Allawi H, Dong F, Neri BP,
                                                                 Hepatitis C virus PCR primer SEQ ID NO:67.
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15-JUN-2001; 2001US-00212308.
26-APR-2002 (first entry)
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nes 14; Conservative
                                                                                                                                                                                                   PCR primer; probe; ss.
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                                                                                                                                                                                                                                                                 Hepatitis C virus.
                                                                                                                                                                                                                                                                                                                                                             WO200198537-A2.
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Query Match
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                                                                                                                                                                                                                                                                                                                   The invention describes a method of analysing nucleic acids comprising providing a target nucleic acid, e.g. hepatitis C virus nucleic acid having non-contiguous single-stranded regions (NCSR) separated by an intervening region, a bridging oligonucleotide capable of binding to the first and second NCSR; a second oligonucleotide binding to a portion of clavage structure. The method is useful for analysing nucleic acids, e.g. hepatitis C virus nucleic acid useful for clinical diagnostic gurposes and detection and identification of pathogenic microorganisms buch as hepatitis C virus. This sequence represents an oligonucleotide associated with the nucleic acid analysis method of the invention.
                                                                                                                                                                                                                                                           ав
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                         Analyzing nucleic acids, comprises mixing target nucleic acid such hepatitis C virus nucleic acid, bridging oligonucleotide, second oligonucleotide and cleavage agent to form cleavage structure.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Nucleic acid analysis method associated oligonucleotide segid 68.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        nucleic acid analysis, hepatitis C virus, non-contiguous single-stranded region, NCSR, cleavage structure, clinical; diagnostic; microorganism detection; microorganism identification; ss.
                                                                                                                                                                                                      Brow MAD;
nucleic acid analysis; hepatitis C virus;
non-contiguous single-stranded region; NCSR; cleavage structure;
clinical; diagnostic; microorganism detection;
microorganism identification; 88.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.8%; Score 13.4; DB 1; Length 16; 93.3%; Pred. No. 1.7e+02; tive 0; Mismatches 1; Indels
                                                                                                                                                                                                      Neri BP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 16 BP; 4 A; 8 C; 3 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                       Dong F, Lyamichev VI, Prudent JR, Fors L,
Anderson TA, Dahlberg JE;
                                                                                                                                                                                                                                                                                                     Disclosure; SEQ ID NO 67; 143pp; English.
                                                                                                                                                                                   (THIR-) THIRD WAVE TECHNOLOGIES INC.
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                                                                                                                                           97US-00851588.
97US-00934097.
98US-00034205.
                                                                                                                        2000US-00402618
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Best Local Similarity 93.3
Marches 14; Conservative
                                                                                                                                                                                                                                         WPI; 2004-256067/24.
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                                                                                                                        18-JUL-2000;
                                                                               US6709815-B1
                                                                                                                                            05-MAY-1997;
                                                                                                                                                       19-SEP-1997;
03-MAR-1998;
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                                                                                                   23-MAR-2004
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                                                           Synthetic
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                                                                                                                                                                                                                                                                                                                                                  such as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ds; gene; in vitro diagnosis; virus-related disease; HIV-1; HIV-2;
                                                                                                                                                                                                           Brow MAD;
                                                                                                                                                                                                                                                                                                                                                Analyzing nucleic acids, comprises mixing target nucleic acid suchepatitis C virus nucleic acid, bridging oligonucleotide, second oligonucleotide and cleavage agent to form cleavage structure.
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33.3%; Pred. No. 1.7e+02;
ve 0; Mismatches 1; Indels
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/partial
/note= "No start/stop codon given"
                                                                                                                                                                                                              Dong F, Lyamichev VI, Prudent JR, Fors L, Neri
Anderson TA, Dahlberg JE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 16 BP; 3 A; 8 C; 4 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Linker peptide encoding DNA SEQ ID NO:11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; SEQ ID NO 68; 143pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                             (THIR-) THIRD WAVE TECHNOLOGIES INC.
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                                                   97US-00851588.
97US-00934097.
98US-00034205.
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18-JUL-2000; 2000US-00402618
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                                                                                      19-SEP-1997;
03-MAR-1998;
                                                         05-MAY-1997;
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cc nicking agent, and the conditions cause the nicking agent to nick the nucleic acid sample to thus produce a family of initiating cold sample to thus produce a family of initiating cold fragments, and subjecting one or more members of the family of initiating oligonucleotide fragments to a characterization process to thus provide results. The method is useful for creating an assay panel of diagnostic oligonucleotides that can identify any organism or initiating the method is useful for characterizing other DNA cold-cules e.g., cDNA, and for characterizing cDNA expression patterns. The method is useful for identifying the source corganism of a nucleic acid sample e.g., bacterium, fungus, virus, plant, con-human animal or human. The method is particularly useful for rapidly fing especially useful for identifying prokaryotic and eukaryotic species. Colfagnosing bacterial infections. Furthermore, the method is useful for identifying different bacterial strains involved in e.g., nosocomial infections. Furthermore, the method is useful for diagnosing bacterial disease in plants and humans, monitoring processes for bacterial contemination, monitoring manufacturing processes for bacterial contamination, monitoring manufacturing processes for laboratory tests involving microbiological assays, tracing bacterial of the electric and tecombinant molecules. This sequence contamination and/or outbreaks of bacterial infections, genome mapping, contamination and/or outbreaks of bacterial infections graicultural sites for processes tropp, bacterial and recombinant molecules. This sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Escherichia coli.
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           %$GGGGGGGGGGGGGGGGGGGGGG
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                                                                                                                                                                                                                                  The invention relates to a novel recombinant DNA (I) encoding a recombinant chimeric protein (II). The protein consists of at least two nucleotide fragments, each encoding an epitopic region of at least one microorganism; at least one sequence encoding a linker, and at least one sequence encoding a linker, and at least one sequence encoding a linker, and at least one in vitro diagnosis, especially of virus-related diseases, specifically HIV-1 or -2 infections. The protein is easy to purify and synthesise, and has strong immunoreactivity with sera from virus-infected subjects. The present sequence encodes a linker of the recombinant chimeric peptide of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Identifying nucleic acid sample source, useful for identifying bacterial strains involved in nosocomial infections, comprises treating the nucleic acid sample with components comprising a nicking agent under nicking
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to a method of treating a nucleic acid sample with components under nicking conditions, where the components comprise a
                                                                                                                       New recombinant DNA encoding chimeric protein, useful for in vitro diagnosis of viral infections, comprises sequences encoding epitopic regions, a linker and a binding region.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ss; nicking agent; assay panel; diagnosis; expression pattern; DNA fingerprinting; nosocomial infection; microbiological assay; bacterial contamination; genome mapping; bioremediation.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.8%; Score 13.4; DB 1; Length 16; 3.3%; Pred. No. 1.7e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 16 BP; 2 A; 5 C; 6 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    93.3%; Prec. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     E. coli nicking agent target DNA #26.
                                                                                                                                                                                                Claim 5; SEQ ID NO 11; 33pp; French.
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Best Local Similarity 93.3<sup>1</sup>
"arches 14; Conservative
                                                                 WPI; 2004-259482/25.
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                                                                                     P-PSDB; ADM80153
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                                                                                                                                                                                                                                                                                                                                                                                                            the invention.
                               Letourneur O;
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                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ss; nicking agent; assay panel; diagnosis; expression pattern; DNA fingerprinting; nosocomial infection; microbiological assay; bacterial contamination; genome mapping; bioremediation.
corresponds to nucleic acid used in the method of the invention
                                                                                                                                                                       ;
0
                                                                                                            Length 16;
                                                                                                                                                                       1; Indels
                                                          Sequence 16 BP; 4 A; 1 C; 4 G; 7 T; 0 U; 0 Other;
                                                                                                               0.8%; Score 13.4; DB 1;
3.3%; Pred. No. 1.7e+02;
                                                                                                                                                                    0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  E. coli fingerprint oligonucleotide #12.
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                                                                                                                                                                                                                                                                                                                                                                                                                                 BP.
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                                                                                                                                          93.3%;
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                                                                                                                                                                                                                                                                                                                                                                                                                              ADR32430 standard; DNA; 16
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                                                                                                                                             Best_Local Similarity 93.3
Matches 14; Conservative
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The invention relates to a method of treating a nucleic acid sample with components under nicking conditions, where the components comprise a nicking agent, and the conditions cause the nicking agent to nick the nucleic acid sample to thus produce a family of initiating conformed a family of initiating oligonucleotide fragments to a characterization oligonucleotide fragments to a characterization conformed results. The method is useful for creating an assay panel of diagnostic oligonucleotides that can identify any organism or individual. The method is useful for characterizing other DNA conformed with and for characterizing other DNA assay panel of diagnostic oligonucleotides that can identify any organism of a nucleic acid sample e.g., bacterium, fungus, virus, plant, component of a nucleic acid sample e.g., bacterium, fungus, virus, plant, companian or human. The method is particularly useful for rapidly fingerprinting DNA to identifying prokaryotic and eukaryotic species. It is especially useful for identifying prokaryotic and eukaryotic species. It is especially useful for identifying prokaryotic and eukaryotic species. It is especially useful for identifying prokaryotic and eukaryotic species. It is especially useful for identifying prokaryotic and eukaryotic species. It is especially useful for identifying guality assurance/quality control of bacterial contemination, monitoring quality assurance/quality control of bacterial contamination, monitoring quality assurance/quality control of laboratory tests involving microbiological assays, tracing bacterial contamination, monitoring quality assurance/quality control of bacterial and/or contamination and/or outbreaks of bacterial infections, genome mapping, contamination and/or outbreaks of bacterial infections, genome mapping, contamination and/or outbreaks of bacterial infections, genome mapping, contamination sites, and for monitoring agricultural sites.

Corresponds to nucleic acid used in the method of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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DNA fingerprinting; nosocomial infection; microbiological assay;
bacterial contamination; genome mapping; bioremediation.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.8%; Score 13.4; DB 1; Length 16; Best Local Similarity 93.3%; Pred. No. 1.7e+02; Matches 14; Conservative 0; Mismatches 1; Indels
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The invention relates to a method of treating a nucleic acid sample with components under nicking conditions, where the components comprise a nicking agent, and the conditions cause the nicking agent to nick the nucleic acid sample to thus produce a family of initiating or mucleic acid sample to thus produce a family of initiating oligonucleotide fragments to a characterization oligonucleotide feaults. The method is useful for creating an assay panel of diagnostic oligonucleotides that can identify any organism or individual. The method is useful for characterizing other DNA conformation is useful for characterizing other DNA conformation is useful for identifying the source organism of a nucleic acid sample e.g., bacterium, fungus, virus, plant, conn-human animal or human. The method is particularly useful for rapidly fingerprinting DNA to identifying prokaryotic and eukaryotic species. It is especially useful for identifying prokaryotic and eukaryotic species. It is especially useful for identifying prokaryotic and eukaryotic species. It is especially useful for identifying prokaryotic and eukaryotic species. It is especially useful for identifying prokaryotic and eukaryotic species. On e.g., noscomial infections. Furthermore, the method is useful for in e.g., noscomial infections. Furthermore, the method is useful for bacterial contamination. Monitoring quality assurance/quality control of bacterial contamination, monitoring quality assurance/quality control of laboratory tests involving microbiological assays, tracing bacterial contamination, monitoring quality assurance/quality control of laboratory tests involving microbiological assays, tracing bacterial contamination, monitoring quality assurance/quality control of laboratory tests involving microbiological assays, tracing bacterial and recombinant molecules. This sequence contamination and/or outbreaks of bacterial infections, genome mapping corresponds to an oligonucleotide used in the method of the invention to detect an particular and the method in 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         antidabetic, ophthalmological; antiarteriosclerotic; antipsoriatic; antidabetic; ophthalmological; antiarthritic; antirheumatic; antiallergic; antiinflammatory; dermatological; anti-HIV; virucide; survivin antagonist; apoptosis inhibitor; or survivin antagonist; apoptosis inhibitor; carbonisteration inhibitor; survivin, gene expression; abnormal angiogenesis; chemotherapeutic agent; busulfan, myleran; carboplatin; paraplatin; Taxol; doxrubicin; adriamycin; atherosclerosis; psoriasis; diabetic reinopathy; rheumatoid arthritis; asthma; warts; melangma; osteosarcoma; Eunour; sarcoma; glioma; carcinoma; melangma; osteosarcoma; Ewing's sarcoma; chondrosarcoma; malignant fibrous histiocytoma; fibrosarcoma; Kaposi's sarcoma; Paclitaxel; Docetaxel.
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/mod base OTHER
/note= "OTHER = phosphorothioate internucleotide
1inkages, all locked nucleic acid (INA) residues are 5'-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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0.8%; Score 13.4; DB 1; Length 16;
Best Local Similarity 93.3%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human survivin gene modulatory oligonucleotide #7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 16 BP; 4 A; 1 C; 4 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              detect an E. coli strain K12 sequence.
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Example 2; Page 94; 238pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADR69939 standard; DNA; 16 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   04-NOV-2004 (first entry)
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modified_base
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Synthetic.
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New locked nucleic acid containing oligomeric compound capable of modulating survivin expression, useful for treating cancer such as breast carcinoma, lung carcinoma, etc.
                                                                                                          /noce= "OTHER = beta-D-oxy-locked nucleic acid but optionally DNA nucleotides, optionally phosphate internucleotide linkages"
                                                                                                                                                                                                                                                                                                 /note= "OTHER = beta-D-oxy-locked nucleic acid but optionally DNA nucleotides, optionally phosphate internucleotide linkages"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Hansen B, Thrue CA, Petersen KD, Westergaard M, Wissenbach M;
methyl cytosine residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 1; SEQ ID NO 8; 122pp; English
                                                                                        /mod_base= OTHER
                                                                                                                                                                                                                                                                     /mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10-FEB-2004; 2004WO-DK000096
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10-FEB-2003; 2003DK-00000183
18-NOV-2003; 2003DK-00001708
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                                                                                                                                                                                                                                           /*tag=
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                                                                                                                                                                                                                                                                                                                                                                                                                        WO2004069991-A2.
                            modified_base
                                                                                                                                                                                                         modified base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19-AUG-2004.
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The invention relates to an oligomeric compound (I) capable of modulating survivin expression, having 8-50 nucleotides and/or nucleotide analogues, where the compound comprises a subsequence of at least 8 nucleotides or nucleotide analogues, where the subsequence is located within a sequence chosen from one of 143 sequences given in the specification. (I) is caused by abnormal anglogenesis, by administering (I) containing one or more LNA units that are targeted to survivin. (I) is useful as a medicament and for the manufacture of a medicament for the treatment of cancer, in combination with chemotherapeutic agent such as busulfan. (Myleran), carboplatin (paraplatin). Taxol, doxorubicin (adriamycin), etc. (I) or a conjugate (II) containing (I) is useful in the preparation of a medicament for the treatment of atherosclerosis, psoriasis, diabetic retinopathy, rheumatoid arthritis, asthma, warts and allergic dermatitis. (I) (II) or a pharmaceutical (III) containing (I) is useful in the preparation of a medicament for the freatment of atherosclerosis, psoriasis, diabetic retinopathy, rheumatoid arthritis, asthma, warts and allergic dermatitis. (I) (II) or a pharmaceutical (III) containing (I) is useful for treating cancer in the form of a solid tumour, sarcoma, glioma or carcinoma, breast carcinoma, bandreatic carcinoma, bandreatic carcinoma, bandreatic carcinoma, bandreatic carcinoma, bandreatic carcinoma, bandreatic carcinoma, apparation and carcinoma and carcinoma and carcinoma, and desmoplastic carcinoma, and desmoplastic melanoma, acral melanoma, amelanome, and income and desmoplastic melanoma and serior melanoma, and desmoplastic melanoma, malignam fibrous histlocytoma, fibroarcoma, endanoma, malignam fibrous histlocytoma, fibroarcoma, endanoma,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sarcoma. The treatment further involves administration of a chemotherapeutic agent such as taxanes, preferably Taxol, Paclitaxel or Docetaxel. (I), (II) or (III) is also useful for preventing or limiting
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       apoptosis or for preventing cellular proliferation. This sequence corresponds to an antisense oligonucleotide targeted to the human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       apoptosis or for preventing
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Sequence 16 BP; 1 A; 3 C; 1 G; 11 T; 0 U; 0 Other;

0; Gaps 0.8%; Score 13.4; DB 1; Length 16; 93.3%; Pred. No. 1.7e+02; 1; Indels 0; Mismatches Best Local Similarity 93.3 Matches 14; Conservative Query Match

278 CAAGAAGAAGAAGA 292 16 CAATAAGAAGAAGA 2 ð q completed: September 13, 2005, 10:42:46 Job time : 10 secs Search

(OTASU) XWA 18 39A4 SHTT

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Run on:

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46 bp mRNA linear EST 02-MAR-1995 yc60b12.81 Stratagene liver (#937224) Homo sapiens CDNA clone IMAGE:85055 3' similar to gb:X14723 CLUSTERIN PRECURSOR (HUMAN);,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
Hi (bases I to 46)
Hillier, L. Lennon, G., Becker, M., Bonaldo, M.F., Chiapelli, B., Chissoe, S., Dietrich, N., DuBuque, T., Favello, A., Gish, W., Hawkins, M., Hulkman, M., Kacaba, T., Lacy, M., Le, M., Le, M., Bahling, E., Moore, B., Morris, M., Parsons, J., Prange, C., Rifkin, L., Rohlfing, T., Schellenberg, K., Soares, M.B., Tan, F., Thierry-Meg, J., Trevaskis, E., Underwood, K., Wohldmann, P., Waterston, R., Wilson, R.
                                                                                                                                                                                                                                               Email: est@watson.wustl.edu
High quality sequence starts: 1
High quality sequence stops: 1
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information.
Trace considered overall poor quality
                1 (bases 1 to 48)
Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.
Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P. and
Butheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                          Contact: Wilson RK
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1136 CGAGCAGTTTAACTGGGTGTCCCGGCTGGCAAACCTCACGCAAGGCGA 1183
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97.9%; Pred. No. 0.54;
ative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                              /organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="GDB:3791842"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /db_xref="taxon:9606"
/clone="IMAGE:242709"
                                                                                                                                                                                                                                                                                                                                                                           Seg primer: M13RP1
High quality sequence stop: 1.
Location/Qualifiers
                                                                                                                      The Washu-Merck EST Project Unpublished (1995)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /sex="male"
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 Mammalia;
                                                                                                         Wilson, R.
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Best Local
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AUTHORS
                  REFERENCE
AUTHORS
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T74174/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ACCESSION: BF339449
ACCESSION: BF342092
ACCESSION: 171848
ACCESSION: BF339449
ACCESSION: BF339449
ACCESSION: F74174
ACCESSION: T71848
ACCESSION: CW020522
ACCESSION: CW20522
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     48 bp mRNA linear EST 01-DEC-1999. yv14d11.rl Soares fetal liver spleen INFLS Homo sapiens CDNA clone IMAGE:242709 5' similar to gb:X14723 CLUSTERIN PRECURSOR (HUMAN);,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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ACCESSION: CF278327
                                                                                                                          2; Search time 0.001 Seconds (without alignments) 824.786 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ACCESSION: H93557
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                  1 gaatteegeegetgaeegag.........taaaaetgtettgtgagetg 1643
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Description
                                                                                                                                                                                                                                                                                                                                                              91
                    GenCore version 5.1.6
(c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                            Total number of hits satisfying chosen parameters:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       виттагіев
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SUMMARIES
                                                                                                                          September 13, 2005, 10:53:12
                                                                                          nucleic search, using sw model
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BF342092
T74174
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BF342092
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CF278327
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                                                                                                                                                                                                                                                                     IDENTITY_NUC
Gapop 10.0 , Gapext 0.5
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                                                                                                                                                                                                                                                                                                                         8 segs, 251 residues
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Maximum Match 100%
Listing first 5000
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Homo sapiens
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1643
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                                      Copyright
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Match ]
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Result Š.

Minimum Maximum ö

Gaps

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DB 1; Length 48; 1; Indels 48

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Location/Qualifiers
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BF342092
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Best Local Similarity
Matches 39; Conserv
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BF342092
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60203103F1 NCI_CGAP_Brn64 Homo sapiens cDNA clone IMAGE:4186752
5', mRNA sequence.
BF339449
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 (bases 1 to 39)
National Institutes of Health, Mammalian Gene Collection (MGC)
National Institutes of Health, Mammalian Gene Collection (MGC)
Uppublished (1999)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov.
Tissue Procurement: David N. Louis, M.D.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Prayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
http://image.lln.gov f column: 01
High quality sequence stop: 38.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryoča, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
1 (bases 1 to 39)
                  Generation and analysis of 280,000 human expressed sequence tags Genome Res. 6 (9), 807-828 (1996)
                                                                                                                                                                                                  High gality sequence starts: 1
High gality sequence stops: 1
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information.
Trace considered overall poor quality
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                        Contract: Wilson RK
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1553 TCCTGCACTCTAACACTCGACTCTGCTGCTCATGGGAAGAACAGAA 1598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2.4%; Score 40.2; DB 1; Length 46; 91.3%; Pred. No. 1.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                1. .46
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High quality sequence stop: 1.
Location/Qualifiers
                                                                                                                                                                                    Email: est@watson.wustl.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BF339449.1 GI:11285904
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /sex="male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               42; Conservative
                                                                                                                                               Tel: 314 286 1800
Fax: 314 286 1810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
                                                                             8889549
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KEYWORDS
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ORGANISM
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JOURNAL
COMMENT
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AUTHORS
                    TITLE
JOURNAL
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BF339449
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                                                                                              COMMENT
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/organism="Homo sapiens"
/mol_type="mRNA"
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/db_xref="taxon:9606"
/clone="lyAdGE:4148962"
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/note="Organ: brain, Vector: pCNV-SPORT6; Site_1: NotI;
Site_2: Sall; Cloned unidirectionally. Primer: Oligo dT.
Average insert size 1.57 kb. Constructed by Life
Technologies. Note: this is a NCI_GGAP Library."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BF342092 39 bp mRNA linear EST 22-NOV-2000 602012848F1 NCI_CGAP_Brn64 Homo sapiens cDNA clone IMAGE:4148962
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1 (Dases 1 to 39)

NIH-MGC http://mgc.nci.nih.gov/.

National Institutes of Health, Mammalian Gene Collection (MGC)

Unpublished (1999)

Contact: Robert Strausberg, Ph.D.
                                                                                                                       /tissue_type="glioblastoma with EGFR amplification" / lab host="DH10B (T1 phage-resistant)" / lone lib="NCI CGAP Brn64" / note="Organ: brain; Vector: pCWV-SPORT6; Site_1: Not1; Site_2: Sall; Cloned unidirectionally. Primer: Oligo dT. Average insert size 1.57 kb. Constructed by Life Technologies. Note: this is a NCI_CGAP Library."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Email: cgapbs-r@mail.nih.gov
Tissue Procurement: David N. Louis, M.D.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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                                                                                                                                                                                                                                                                                                                                                                                    Query Match 2.4%; Score 39; DB 1; Length 39; Best Local Similarity 100.0%; Pred. No. 1.2; Matches 39; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2.4%; Score 39; DB 1; Length 39;
100.0%; Pred. No. 1.2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
Plate: LLM9409 row: o column: 11
High quality sequence stop: 37.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           454
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      416 GITCTACGCACGCGTCTGCAGAAGTGGCTCAGGCCTGGT 454
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1. GTTCTACGCACGCGTCTGCAGAAGTGGCTCAGGCCTGGT 39
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organism="Homo sapiens"
                                                                                            /clone="IMAGE:4186752"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BF342092.1 GI:11288842
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ACCESSION VERSION KEYWORDS SOURCE ORGANISM

REFERENCE AUTHORS

JOURNAL MEDLINE PUBMED COMMENT

TITLE

DEFINITION

RESULT 5 T71848/c

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BF339449 139 Dp mRNA linear EST 22-NOV-2000 602039103F1 NCI_CGAP_Brn64 Homo sapiens cDNA clone IMAGE:4186752
                                                                                                                                                                                                                                     The Washu-Merck EST Project
Unpublished (1995)
Contact: Wilson RK
Washington University School of Medicine
4444 Forset Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1810
Fax: 314 286 1810
Email: est@watson.wustl.edu
High quality sequence starts: 1
High quality sequence stops: 1
Source: INAGE Consortium, LLNL
This clone is available royalty-free through LLNL; contact the
INAGE Consortium (info@minge.llnl.gov) for further information.
Trace considered overall poor quality
                                     Homo sapiens

Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.

(Dases 1 to 48)

Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
Holman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.,
Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
Trevaskis,E., Waterston,R., Williamson,A., Wohldmann, P. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukarica; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 39)
NHH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC) Unpublished (1999)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 1; Length 48;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches 11; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               627 AGGIICITCACCCGGGAGCCCCAGGAIACCIAC 659
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      36 AGGTTINCCAGCCGGACACCCAGTTAAACTGC 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism="Homo sapiens"
/mol_type="mRNA"
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/db_xref="taxon:9666"
/clone="IMAGE:242709"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.0%; Score 16;
56.7%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Seq primer: M13RP1
High quality sequence stop: 1.
Location/Qualifiers
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BF339449.1 GI:11285904
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Homo sapiens
                       Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 66.79
Matches 22, Conservative
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                                                                                                                                                                                                                         Wilson, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       source
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                                            ORGANISM
                                                                                                                                                                                                                                            TITLE
JOURNAL
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AUTHORS
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SOURCE
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                       SOURCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Tel: 314 286 1800

Fax: 314 286 1810

Email: estewatson.wustl.edu

High qality sequence starts: 1 High qality sequence stops: 1

Source: IMAGE Consortium, LIML This clone is available royalty-free through LLML; contact the IMAGE Consortium (info@image.llnl.gov)

For further information. Trace considered overall poor quality
Seq primer: -21ml3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      48 bp mRNA linear EST 01-DEC-1995 yv14d11.rl Soares fetal liver spleen INFLS Homo sapiens CDNA clone IMAGE:242709 5' similar to gb:X14723 CLUSTERIN PRECURSOR (HUMAN);,
                                              01-MAR-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota, Metazoa; Chordata, Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
Hillier,L., Lennon,G., Becker,M., Bonaldo,M.F., Chiapelli,B., Chissoe,S., Dietrich,N., DuBuque,T., Favello,A., Gish,W., Mardis,E., Moore,B., Morris,M., Parsons,J., Parange,C., Rifkin,L., Rohlfing,T., Schellenberg,K., Soares,M.B., Tan,F., Thierry-Meg,J., Trevaskis,E., Underwood,K., Wohldmann,P., Waterston,R., Wilson,R.
                                          40 bp mRNA linear EST 01-MAR-19:
yc64e06.s1 Stratagene liver (#937224) Homo sapiens cDNA clone
IMAGE:85474 3' similar to gb:X14723 CLUSTERIN PRECURSOR (HUMAN);,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Generation and analysis of 280,000 human expressed sequence tags
Genome Res. 6 (9), 807-828 (1996)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Contact: Wilson RK
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 1; Length 40;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CTCCAGGCCCCCAANTCCGCCCAGCCTCTCCCCGCTCTGG 1
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al Similarity 97.5%; Pred. No. 1.2;
39; Conservative 0; Mismatches
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/organism="Homo sapiens"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /mol_type="mRNA"
/db_xref="GDB:502531"
/db_xref="taxon:9606"
/clone="IMAGE:85474"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            High quality sequence stop: 1.
Location/Qualifiers
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H93557
H93557.1 GI:1099885
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                                                                                                                                                                                                    Homo sapiens (human)
                                                                                                                                       T71848
T71848.1 GI:686369
                                                                                                                mRNA sequence.
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Bource

FEATURES

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Gaps ;

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LOCUS DEFINITION

RESULT 6 H93557/c

ACCESSION VERSION

Query Match Best Local

Matches

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02-MAR-1995
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1 (bases 1 to 46)
Hillar,L., Lennon,G., Becker,M., Bonaldo,M.F., Chiapelli,B., Chissoe,S., Dietrich,N., DuBuque,T., Favello,A., Gish,W., Mardis,M., Hullman,M., Kucaba,T., Lacy,M., Le,M., Le,N., Le,N., Eak,M., Le,N., Schollenberg,K., Soares,M., E., Norange,C., Riffin,L., Rohlfing,T., Schellenberg,K., Soares,M.B., Tan,F., Thierry-Meg,J., Travaskis,E., Underwood,K., Wohldmann,P., Waterston,R., Wilson,R., M.
                                                                                                                                                                                                                                                                                                                                                                                                                                            yc60b12.sl Stratagene liver (#597224) Homo sapiens cDNA clone
IMAGE:85055 3' similar to gb:X14723 CLUSTERIN PRECURSOR (HUMAN);,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Generation and analysis of 280,000 human expressed sequence tags Genome Res. 6 (9), 807-828 (1996)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1810
Fax: 314 286 1810
Fax: 314 286 1810
Fax: 314 286 1810
Fax: 315 280 1810
Fax: 316 280
Fax: 316 280 1810
Fax: 316 280 1810
Fax: 316 280 1810
Fax: 316 2
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                                                  ch 0.8%; Score 12.8; DB 1; Length 39; Similarity 70.8%; Pred. No. 11; Conservative 0; Mismatches 7; Indels
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/db_xref="GDB:502112"
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High quality sequence stop: 1.
Location/Qualifiers
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/clone="IMAGE:85055"
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5', mRNA sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                         /mol type="maxon:9606"
/db_xref="taxon:9606"
/db_xref="taxon:9606"
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/lab_host="glioblastoma with EGFR amplification"
/lab_host="glioblastoma with EGFR amplification"
/lab_host="glioblastoma with EGFR amplification"
/clone lib="NCI CGAP Brn64"
/note="organ: brain; Vector: pCNV-SPORT6; Site_1: NotI;
/site_2: Salif; Cloned unidirectionally. Primer: Oligo dT.
Average insert size 1.57 kb. Constructed by Life
Technologies. Note: this is a NCI_CGAP Library."
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/mol type="mRNA"
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Site_2: Sali; Cloned unidirectionally. Primer: Oligo dT.
Average insert size 1.57 kb. Constructed by Life
                    Bmail: cgapbe-r@mail.nih.gov
Tissue Procurement: David N. Louis, M.D.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM9508 row: f column: 01
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Tissue Procurement: David N. Louis, M.D.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Tneyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be fround through the I.M.A.G.E. Consortium/LLNL at:
http://image.lll.gov
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Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                   High quality sequence stop: 38.
Location/Qualifiers
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Best Local Similarity 70.8%;
Matches 17; Conservative
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REFERENCE AUTHORS

TITLE JOURNAL MEDLINE PUBMED COMMENT

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Oryza sativa (japonica cultivar-group)

Cryza sativa (japonica cultivar-group)

Eukaryota, Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;

Enrhartoideae; Oryzae; Oryza;

Enrhartoideae; Oryzae; Oryza;

Enrhartoideae; Oryza; Kim,N.J., Lee,T.H., Shin,Y.C.,

Song,S.I., Kim,Y.F., and Nahm,B.H.

Large-scale Sequencing Analysis of Rice ESTs

Unpublished (2003)

Contact: Nahm B.H.

Genomics and Genetics Institute, GreenGene Biotech Inc.; Division of Bioscience and Bioinformatics, MyongJi University

Yongin, KyeongJi, Korea

Tel: 82 31 330 6193

Fax: 82 31 321 6355

Email: bhnahm@ggbio.com, bhnahm@bio.myongji.ac.kr.
                                                                                                                                                       Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalla, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus. 1 (Dases 1 to 13) (Cobellis, G., Nicolaus, G., Marra, E., Barbarisi, M., Sardiello, M., Di Gorgio, F. P., Iovino, N., Zollo, M., Ballabio, A. and Cortese, R. Tagging genes with cassette-exchange sites Unpublished (2004)
                                                                                                                                                                                                                                                                                                                                                                                                                                 Tel: +390816132205

Rax: +390815790319

Email: cobellis@iigem.it

Sequence tag generated by 5' RACE of total RNA from gene trap ES

cell line. ES cell lines harboring insertion mutation of target

gene are available upon request from TIGEM. Annotation information
available from TIGEM
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14 bp mRNA linear EST 14-AUG-20
14ETL--04-D06.bl Rice etiolated leaf plasmid cDNA library (14ETL)
Oryza sativa (japonica cultivar-group) cDNA clone 14ETL--04-D06,
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/cell_line="E14"
/clone_lib="TIGEM gene trap library"
/note="Vector: pFLIP1"
                                                                                                                                                                                                                                                                                                                                                                                                            Via P. Castellino, 111, 80131 NAPOLI, ITALY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
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92.3%; Pred. No. 14;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /clone="m4.E4.D08"
                                                                                                        Mus musculus (house mouse)
Mus musculus
                                                         CW020522.1 GI:52789782
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Best Local Similarity 92.3
Matches 12; Conservative
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CF278327
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       mRNA sequence.
CW020522
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               High qality sequence starts: 1 High qality sequence stops: 1 Source: IMAGE Consortium, LLNL This clone is available royalty-free through LLNL; contact the IMAGE Consortium (inf@image.llnl.gov) for further information. Trace considered overall poor quality Seq primer: -21ml3 High quality sequence stop: 1. Location/Qualifiers
                                                                                                                                                       T71848 10-MAR-1995 WRNA linear EST 01-MAR-1995 yc64e06.sl Stratagene liver (#937224) Homo sapiens CDNA clone IMAGE:85474 3' similar to gb:X14723 CLUSTERIN PRECURSOR (HUMAN);,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
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Hillier, L., Lennon, G., Becker, M., Bonaldo, M.F., Chiapelli, B., Chissoe, S., Dietrich, N., DuBuque, T., Favello, A., Gish, W., Hukkins, M., Hulkman, M., Kucaba, T., Lacy, M., Le, M., Le, N., Mardis, E., Moore, B., Mortis, M., Soares, M.B., Tange, C., Rifkin, L., Rohlfing, T., Schallenberg, K., Soares, M.B., Tange, C., Thierry-Meg, J., Trevaskis, E., Underwood, K., Wohldmann, P., Waterston, R., Wilson, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Generation and analysis of 280,000 human expressed sequence tags Genome Res. 6 (9), 807-828 (1996)
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Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
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84 CTGACCTGGGAGAGTGGGCAGGTCCTGGGGGACCAG 119
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 db_xref="taxon:9606"
clone="IMAGE:85474"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Email: est@watson.wustl.edu
Insert Size: 26
                                                                                                                                                                                                                                                                                                                                      Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sex="male"
                                                                                                                                                                                                                                                                                    T71848.1 GI:686369
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                                                                                                                                                                                                                                  mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                             Homo sapiens
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FEATURES

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Gape

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EST 14-AUG-2003

LOCUS

RESULT 11 CW020522/c

Matches

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Acyrthosiphon pisum (pea aphid)
Acyrthosiphon pisum
Bukaryota, Matazoa, Arthropoda; Hexapoda; Insecta; Pterygota;
Bukaryota; Pataneoptera; Athropoda; Hexapoda; Insecta; Aphidiformes;
Aphidoidea; Aphididae; Macrosiphini; Acyrthosiphon.
1 (bases 1 to 12)
Hunter, W., Martinez-Torres, D., Rahbe, Y., Sabater-Munoz, B.,
Stern, D., Tagu, D. and Wincker, P.
An expressed sequence tags database for the pea aphid Acyrthosiphon
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/clone lib=Aphlilib"
/note="Vector: pDNR-LIB; Site_1: SfilA; Site_2: SfilB;
/note="vector: pDNR-LIB; Site_1: SfilA; Site_2: SfilB;
/sample name: Aphlilb; Plant growth place: INRA-Rennes,
/UNR BiO3P, pp 91 53553 Le Rheu cedex, France; Soil
conditions: peat; Sowing date: 18/01/2003; Harvesting
date: 03/02/2003; Stress date: no stress; Description:
aphids inoculated on one-week old Vicia faba germinations
under non sterile conditions.; experimental condition:
long photoperiod (16-hr light/8-hr dark at 18 c)"
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                                                                            Gape
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
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ApHL3LD-VII-F11 ApHL3LD Acyrthosiphon pisum cDNA clone
ApHL3LDVIIF11 5', mRNA sequence.
                         DB 1; Length 12;
14;
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/clone="ApHi3LDVIIF11"
/tissue_type="head"
/dev_stage="third_instar_nymph_(L3)"
/lab_host="TOP10"

    .12
        forganism="Acyrthosiphon pisum"
/mol type="mRNA"
/culTivar="yr2"

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100.0%; Pred. No. 17;
ative 0; Mismatches
                                                                       0; Mismatches
                         0.7%; Score 11;
100.0%; Pred. No.
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Location/Qualifiers
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                       Query Match 0.7
Best Local Similarity 100.
Matches 11; Conservative
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Best Local Similarity 100.
Matches 9; Conservative
                                                                                                                           279 AAGAAGAAGAA 289
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INRA Rennes
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CW020522
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CN752857
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Neoptera; Paraneoptera; Hemiptera; Sternorrhyncha; Aphidiformes;
Aphidoidea; Aphididae; Macrosiphini; Acyrthosiphon.
1 (bases I to 12)
1 (bases I to 12)
1 (haren, W., Martinez-Torres, D., Rabbe, Y., Sabater-Munoz, B., Stern, D., Tagu, D. and Wincker, P.
An expressed sequence tags database for the pea aphid Acyrthosiphon
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/note="Vector: pDNR-LIB; Site_1: SfilA; Site_2: SfilB;
/note="Wector: pDNR-LIB; Site_1: SfilA; Site_2: SfilB;
Sample name: Aprilib ; Plant growth place: INRA-Rennes,
UMR Bio3P, B 3327, 35653 Le Rheu cedax, France; Soil
conditions: peat; Sowing date: 18/01/2003; Harvesting
date: 03/02/2003; Stress date: no stress; Description:
aphids inoculated on one-week old Vicia faba germinations
under non sterile conditions.; experimental condition:
long photoperiod (16-hr light/8-hr dark at 18 c)"
                                                                                                                                                                                                                                                                                                 /note="Vector: pCR4-TOPO; Site 1: EcoRI; mRNA was capped with oligoribonucleotides and then used as templates for RT-PCR."
                                                                                                                                                                                                                               /clone_lib="Rice etiolated leaf plasmid cDNA library (14ETL)"
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INRA Rennes
INRA B103P. BP 35327, F-35653 Le Rheu Cedex France
Tel: +33.2.23.48.51.65
Fax: +33.2.23.48.51.50
Risk of contamination by bacterial sequences from obligatory
(Buchnera) or facultative endosymbionts.
                                                   'organism="Oryza sativa (japonica cultivar-group)"
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ApHL3LD-VII-F11 ApHL3LD Acyrthosiphon pisum cDNA clone ApHL3LDVIIF11 5', mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                0.7%; Score 11.4; DB 1; Length 14; 92.3%; Pred. No. 14; 11 Indels tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                    1; Indels
                                                                                                                                                                                                  /dev_stage="14 days after germination"
/lab_host="E.coli DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /db_xref="taxon:7029"
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/dev_stage="third instar nymph (L3)"
/lab_host="TOP10"
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                                                                                                                        /db_xref="taxon:39947"
/clone="14ETL--04-D06"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Acyrthosiphon pisum (pea aphid)
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                                                                       /mol_type="mRNA"
/cultivar="Nackdong"
                                                                                                                                                                         /tissue_type="leaf"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          location/Qualifiers
Location/Qualifiers
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/cultivar="yr2"
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Gapa ;

3; Indels

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/note="Vector: pCR4-TOPO; Site 1: EcoRI; mRNA was capped with oligoribonucleotides and then used as templates for RT-PCR."
1. .14
/organism="Oryza sativa (japonica cultivar-group)"
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/dev_stage="lasf"
/dev_stage="lasf"
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(148TL)"
                                                                                                                                                                                                                                                                                                                                                                0.5%; Score 8.2; DB 1; Length 14; 76.9%; Pred. No. 18;
                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
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Job time : 0.001 secs
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SM Oryza sativa (japonica cultivar-group)

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; Ehrhartoideae; Oryzeae; Oryza.

E 1 (bases 1 to 14)

S Kim,J.S., Jun,K.M., Cheong, P.J., Kim,M.J., Lee,T.H., Shin,Y.C., Song,S.I., Kim,J.K., Kim,Y.-K. and Nahm,B.H.

Large-scale Sequencing Analysis of Rice ESTs

Unpublished (2003)

Contact: Nahm B.H.

Genomics and Genetics Institute, GreenGene Biotech Inc.; Division of Bloscience and Bioinformatics, MyongJi University

YongJin, KyeongGi, Korea

Tel: 82 31 320 6193

Fax: 82 31 321 6355

Email: bhanhm@gdpio.com, bhnahm@bio.myongji.ac.kr.

Location/Qualifiers
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                                                                                                                  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 13) Gobellis, G., Micolaus, G., Marra, E., Barbarisi, M., Sardiello, M., Di Giorgio, F.P., Iovino, N., Zollo, M., Ballabio, A. and Cortese, R. Tagging genes with cassette-exchange sites
Contact: TIGEM
                                                                                                                                                                                                                                                                                                                                                              Via P. Castellino, 111, 80131 NAPOLI, ITALY
Tel: +390816132205
Fax: +390815790315
Examil: cobellis@tigem.it
Sequence tag generated by 5' RACE of total RNA from gene trap ES
cell line. ES cell lines harboring insertion mutation of target
as available upon request from TIGEM. Annotation information
available from TIGEM
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /cell_type="Embryonic stem cell"
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/note="Vector: pFLIP1"

    .13
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                                                                                  Mus musculus (house mouse)
              CW020522
CW020522.1 GI:52789782
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                                                                                                               Mus musculus
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